ONONDAGA LAKE BASELINE MONITORING REPORT FOR 2011

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LIST OF ACRONYMS

CPUE	Catch (of fish) per unit of effort
DDT	Dichloro Diphenyl Trichloroethane
DO	Dissolved Oxygen
DUSR	Data Usability and Summary Report
GPS	global positioning system
ISUS	*in situ* ultraviolet spectroradiometer
mg/kg	milligrams per kilogram (or parts per million in water)
NYSDEC	New York State Department of Environmental Conservation
OCDWEP	Onondaga County Department of Water Environment Protection
PCBs	Polychlorinated Biphenyls
PHM	Permanent Habitat Module
QA/QC	Quality Assurance / Quality Control
RI	remedial investigation
ROD	Record of Decision
SMU	Sediment Management Unit
SUNY-ESF	State University of New York College of Environmental Science and Forestry
TSS	Total Suspended Solids
UFI	Upstate Freshwater Institute
USEPA	United States Environmental Protection Agency

DEFINITIONS

Benthic	Bottom dwelling (*i.e.*, in sediment)
Epilimnion	During summer stratification, the upper portion of the thermally-stratified water column located between the 0- and 30-ft. (0- and 9-meter) water depth in Onondaga Lake. The epilimnion is warmer than the underlying stratified layers and relatively well-mixed by wind and waves.
Hypolimnion	The lower portion of the water column during summer stratification where water temperatures are cooler than upper waters (typically in the portion of Onondaga Lake where water depths exceed 30 ft. [9 meters]). Mixing levels are diminished in the hypolimnion relative to the epilimnion.
Littoral	Zone within a body of water adjacent to shore where waters do not thermally stratify. In Onondaga Lake, the outer extent of the littoral zone corresponds to a water depth of 30 feet (9 meters).
ng/L	Nanogram per liter or part per trillion in water. 1 ng/L is the same as 0.000001 milligram per liter (mg/L) or part per million.
Profundal	Offshore zone within a water body where water depths are greater than the depth to which sunlight can penetrate to support aquatic plants, in contrast with the littoral zone closer to shore. In Onondaga Lake, the profundal zone stratifies each year from May to October based on water temperature. The profundal zone of Onondaga Lake occupies 64 percent of the lake surface area based on a minimum water depth of 30 ft. (9 meters).
Seston	A collective term for all particulate matter present in the water column which consists of living, biological material (plankton) and nonliving particulate material.
Thermocline	Located within the interval of water between the epilimnion and hypolimnion corresponding to the water depth of the maximum rate of decrease in temperature with respect to depth.

EXECUTIVE SUMMARY

The objectives of baseline monitoring conducted on behalf of Honeywell were to document conditions in Onondaga Lake prior to initiating the remedial action and to provide data for future evaluation of the effectiveness of the lake bottom remedy. This report includes results from the 2011 Onondaga Lake baseline monitoring efforts which was the final year of the baseline monitoring program that began in 2008. Baseline monitoring associated with remedial construction was initiated on behalf of Honeywell as a separate effort late in 2010 and was conducted and reported separately. Dredging of lake sediment is scheduled to begin in mid-2012.

Baseline monitoring in Onondaga Lake included sampling media for which preliminary remediation goals were established in the lake bottom Record of Decision (ROD) issued by the New York State Department of Environmental Conservation (NYSDEC) and the United States Environmental Protection Agency (USEPA) in 2005.

Honeywell's baseline monitoring in 2011 consisted of three distinct types of efforts (called books), each of which was conducted based on a work plan addendum approved by the NYSDEC prior to monitoring:

- Book 1 work included collection and mercury analysis of deep basin water and zooplankton samples from two locations in Onondaga Lake at South Deep and North Deep. The deep basin water samples were also analyzed for other parameters including nitrate, nitrite and ammonia in conjunction with the first year of the nitrate addition pilot test reported separately (Parsons and UFI, in preparation). Sediment trap samples were collected at South Deep and analyzed for mercury and solids content.
- Book 2 work included collection and chemical analysis of 100 adult sport fish and 40 composited samples of prey fish, fish community assessments, fish population surveys, an evaluation of fish diet, an evaluation of walleye and smallmouth bass movements, and an evaluation of the phytophilous macroinvertebrate community in Onondaga Lake.
- Book 3 work included collection and mercury analysis of surface water samples from the two lake tributaries that provide the largest tributary inflows to Onondaga Lake—Onondaga Creek and Ninemile Creek. The Book 3 effort included baseline surface water samples and surface water samples collected during two runoff events.

Reports on the 2008, 2009, and 2010 Onondaga Lake baseline monitoring efforts conducted on behalf of Honeywell were completed previously.

SECTION 1

INTRODUCTION

Baseline monitoring in Onondaga Lake was conducted on behalf of Honeywell from 2008 through 2011 to document lake conditions before dredging and capping of lake sediment is initiated in 2012. This baseline monitoring lays the groundwork for evaluating the effectiveness of the lake bottom remedy identified in the ROD issued by the NYSDEC and the USEPA (NYSDEC and USEPA, 2005) and described in the *Remedial Design Work Plan for the Lake Bottom* (Parsons, 2009).

The program objectives for baseline monitoring were presented in the *Baseline Monitoring Scoping Document* (Parsons, Exponent, and Anchor QEA, 2010a) as follows:

- Establish a comprehensive description of baseline chemical conditions prior to remediation to assess remedy effectiveness and to facilitate remedy design
- Provide additional data for future understanding of remedy effectiveness in achieving remediation goals for Onondaga Lake
- Provide habitat-related information

The Baseline Monitoring Scoping Document also describes program elements (i.e., activities such as lake water sampling) and data uses and provides a summary of monitoring being conducted on behalf of Honeywell and by other entities such as the Onondaga County Department of Water Environment Protection (OCDWEP), Upstate Freshwater Institute (UFI), the State University of New York College of Environmental Science and Forestry (SUNY-ESF), and the United States Geological Survey.

As in previous years, the 2011 work scopes for baseline monitoring efforts were submitted as addenda to the original Book 1, Book 2, and Book 3 work plans approved by NYSDEC.

- Addendum 3 to the 2008 Book 1 Work Plan includes water quality, zooplankton and sediment trap monitoring in the deep basins of Onondaga Lake where water depths exceed 30 ft. (Parsons and Exponent, 2011a).
- Addendum 3 to the 2008 Book 2 Work Plan includes fish sampling for chemical analyses, fish population and community assessments and fish diet analysis as well as fish telemetry work (Parsons, Exponent and Anchor QEA, 2011a).
- Addendum 1 to the 2009 Book 3 Work Plan includes tributary water sampling and analysis during baseline flow and runoff flow events (Parsons and Exponent, 2011b)

These work plan addenda were approved by NYSDEC and are available in the public document repositories. The baseline monitoring program objectives, program elements, and data uses relevant to Books 1, 2, and 3 are presented in Table 1. Baseline monitoring in Onondaga Lake associated with remedial construction was initiated as a separate effort in late 2010 and

continued during 2011. Results from monitoring efforts associated with remedial construction are being documented separately (see Parsons and Anchor QEA, 2011 for the late 2010 results).

This fourth and final yearly baseline monitoring report describes results from the 2011 Onondaga Lake baseline monitoring program. The report follows the same format applied in the Baseline Monitoring Reports for 2008, 2009 and 2010 (Parsons, Exponent, and Anchor QEA, 2011c, 2011b and 2011d respectively). Section 1 provides an introduction. Section 2 presents a summary of the sampling and analytical work. Section 3 provides a summary of data management and data validation. Section 4 presents a brief assessment of the 2011 data. Appendices A, B, and C respectively, provide the 2011 Data Usability and Summary Reports (DUSR) for Books 1, 2 and 3. The three DUSRs follow the format from prior baseline monitoring years including laboratory data verification, data validation, and data usability. Appendix D presents detailed data plots from the 2011 Book 1 work.

SECTION 2

SAMPLING AND ANALYSIS SUMMARY FOR 2011

Sample collection, sample management, equipment decontamination, and other baseline monitoring field procedures were conducted in accordance with work plan addenda for Book 1, Book 2, and Book 3 approved in advance by NYSDEC (Parsons and Exponent, 2011a for Book 1; Parsons, Exponent and Anchor QEA, 2011a for Book 2; and Parsons and Exponent, 2011b for Book 3). In addition, surface water and zooplankton monitoring completed as part of the work scope for the 2011 portion of the nitrate addition pilot test (Parsons and UFI, 2011) are also summarized herein. Table 2 summarizes the media, sampling locations, and primary activities completed for the 2011 baseline monitoring and nitrate addition work efforts.

2.1 BOOK 1: DEEP BASIN WATER ZOOPLANKTON AND SEDIMENT TRAP SAMPLING

Book 1 field efforts consisted of deep basin water and zooplankton sampling and sediment trap deployment and retrieval completed by UFI. The following types of samples were collected (Table 3):

- Water column samples from South Deep and North Deep at multiple depths and times from May 23 through November 21.
- Water samples from a water depth near the lake bottom at 10 locations monthly from July through October while nitrate was being added to the lake.
- Vertically-detailed *in situ* water quality measurements at 30 locations throughout the North and South Basins using a rapid profiling instrument *in situ* ultraviolet spectroradiometer (ISUS).
- Zooplankton samples at South Deep and North Deep at a frequency ranging from weekly to monthly. UFI also attempted to collect samples of large *Daphnia* zooplankton (at least 1 millimeter in length), however unlike during 2009, quantities of *Daphnia* large enough for chemical analysis were not found during any of these sampling events in Onondaga Lake during 2011.
- Sediment traps deployed for one-week periods from May through November to collect sediment samples at South Deep at the 10-meter water depth (below the thermocline) to track short-term variations in solids and mercury deposition.

2011 laboratory analytical results related to Book 1 and to the nitrate addition pilot test are all summarized in this report for ease of use.

2.2 BOOK 2: FISH SAMPLING

Book 2 work included adult sport fish, prey fish, and phytophilous macroinvertebrate sample collection throughout the lake (Figures 1, 2, and 3). Fish sampling for tissue chemical analyses was conducted primarily by Anchor QEA. Fish population, community assessments (including lake sturgeon), telemetry, and gut content analysis as well as phytophilous macroinvertebrate community sampling were conducted during 2011 primarily by SUNY-ESF under the supervision of Dr. Neil Ringler with support and oversight by Anchor QEA.

Sampling locations for fish tissue chemical analyses were the same as those sampled during 2008 through 2010, coinciding with historical tissue sampling locations occupied during the remedial investigation for Onondaga Lake (TAMS Consultants, 2002), as well as sampling locations included as part of the Onondaga County Ambient Monitoring Program.

Adult sport fish sampling for tissue chemical analyses was conducted from May 25 through June 8, 2011 and June 28 through July 6, 2011. Prey fish sampling for tissue chemical analyses was conducted during late May and also from August 1 through August 4, 2011. Fish samples for tissue analyses were collected and analyzed using the same methods employed during 2008 through 2010, except that 25 individuals of each adult sport fish species were sampled instead of 50. Fish sampling methods consisted of electrofishing, gill netting, trap netting, and seining. Electrofishing was the preferred method for sampling bullhead and pumpkinseed, because both species tend to move inshore during the night and are susceptible to capture. Trap nets were a secondary source for collection of pumpkinseed and bullhead which may be captured in these passive nets while moving along the shoreline. Walleye and smallmouth bass were primarily captured in gill nets set at the 13- to 23-ft. (4 to 7 meter) water depth also during the night time when they are more active. Occasionally walleye or smallmouth bass were captured by electroshocking. Prey fish were captured during seining events along the shoreline where they typically congregate during the day.

Samples from four adult sport fish species and two prey fish families were collected for tissue chemical analysis. As in previous years, the four adult sport fish species were smallmouth bass (*Micropterus dolomieu*), brown bullhead (*Ameiurus nebulosus*), walleye (*Sander vitreus*), pumpkinseed sunfish (*Lepomis gibbosus*). Prey fish samples collected for tissue chemical analysis were from the minnow and topminnow families (Cyprinidae and Fundulidae), excluding carp (*Cyprinus carpio*) and goldfish (*Carassius auratus*) due to their large size. Species of prey fish were determined based on availability and included 24 banded killifish (*Fundulus diaphanus*) composites and 16 small alewife (*Alosa pseudoharengus*) composites. Alewife were collected by gill netting as part of the sport fish sampling in late-May 2011, because alewife move into shallower waters during the spring and early summer allowing for easier capture at that time.

For adult sport fish, 25 individuals from each of the four species were collected from eight locations (based on a target of three to four individual fish from each species at each location) for a total of 100 samples. The number of fish samples collected and analyzed for tissue chemical

concentrations was modified for 2011 to address concerns with impacting the population sizes of the fish species being sampled.

Fillet samples (NYSDEC standard fish fillet based on NYSDEC 2000; skin-on except for brown bullhead) were collected from each adult sport fish for mercury analysis. In addition to mercury, polychlorinated biphenyls (PCBs), dichloro diphenyl trichlorethane (DDT) and metabolites, hexachlorobenzene, and lipids were analyzed in 12 samples, and dioxins and furans were analyzed in five samples from each of the four species of adult sport fish.

Scales from each adult pumpkinseed, a pectoral spine from each adult brown bullhead, and otoliths (small ear bones) from each smallmouth bass and walleye were collected to assess fish age. Total length and weight of each sample were recorded as well.

For prey fish, three composite samples were collected by seining at each of the eight locations, for a total of 24 composite samples submitted for mercury analysis. Composite samples included 10 to 15 prey fish per sample, depending on weight. In addition, 16 composite samples of 5 alewife individuals per sample were collected by gill netting and submitted to the laboratory (TestAmerica) for mercury analysis. Alewife samples also were submitted to Cornell University for analysis of ^{15}N and ^{13}C stable isotopes, as a follow up to prior stable isotope analyses conducted by Cornell in 2009 and 2010.

Fish population and community composition were assessed as part of the Onondaga Lake baseline fish monitoring effort. In addition to the smaller mesh gillnet used during community surveys, a larger sized gill net was used to better understand lake sturgeon abundance and distribution. Community sampling was conducted with 5.9-inch stretch mesh netting, and sturgeon gillnetting was conducted with an eight panel experimental gillnet with two panels each of 6, 8, 10, and 12-inch stretch mesh in sequence for two series**.**

Tracking of fish movements started in 2010 continued in 2011. The focus for fish tracking work was on smallmouth bass and walleye, because these two sport fish have been analyzed for chemical content in tissue since 2008, they represent top predators in the lake food web, and as a result, they are the fish most likely to show high mercury concentrations. Fish tagged during 2010 continued to be monitored, and an additional 13 walleye and 5 smallmouth bass were tagged and monitored. Passive receivers were placed at the lake outlet and at the mouths of Onondaga Creek and Ninemile Creek by attaching the receiver to a cinder block using a chain and clasp and then attaching the chain to a permanent structure in each area (e.g., a pier or bridge support).

Fish gut contents were checked in the four adult sport fish species collected for tissue chemical analysis (smallmouth bass, walleye, pumpkinseed, and brown bullhead). Gut contents from each of the fish types were identified to the lowest taxonomic order reasonably achievable and abundance of each reported. No additional fish gut content sampling occurred in 2011 due to the large data set collected since 2008 on the target species.

The density and distribution of adult sport fish were assessed monthly from May through October at 10 locations around the lake using gill and trap netting to determine overall community structure (Figure 2). Individual largemouth bass, pumpkinseed, and bluegill sunfish were measured for total length (mm), marked with a fin clip (for smaller fish) or uniquely numbered t-bar anchor floy tag (for larger fish), and examined for visible marks. Similar to 2008 through 2010, multiple fish population and fish community sampling efforts were completed with each month representing one sampling period extending over approximately two weeks. A population estimate for largemouth bass was calculated using the modified Schnabel estimator (Ricker, 1975), as described in the *Book 2 Work Plan for 2008* (Parsons, Exponent, and QEA, 2008). Sample size was not sufficient to conduct smallmouth bass, bluegill, or pumpkinseed sunfish population estimates. These species were assessed based on their dominance over the years in the lake and the likelihood of obtaining enough samples to calculate a population estimate.

2.3 BOOK 2: PHYTOPHILOUS MACROINVERTEBRATE COMMUNITY SAMPLING

Samples of macroinvertebrates that live on aquatic vegetation (called phytophilous macroinvertebrates) were collected on August 3 and assessed for community composition and abundance. Three samples of phytophilous macroinvertebrates were collected from aquatic vascular plants located adjacent to each of the nine benthic macroinvertebrate locations sampled in 2010. Samples were sorted and macroinvertebrate taxa were identified in a laboratory.

2.4 BOOK 3 FOR 2011: TRIBUTARY WATER SAMPLING

Book 3 tributary surface water sampling was conducted in Ninemile Creek and Onondaga Creek because these two tributaries were identified as the tributaries providing significant contributions of mercury to the lake in the *Onondaga Lake Remedial Investigation Report* (TAMS, 2002). Figure 4 shows the 2011 tributary sampling locations that were also sampled in 2009 as part of the Book 3 effort.

Surface water samples were collected manually as grab samples from three locations – two in Ninemile Creek (upstream at Amboy Dam and downstream at State Fair Boulevard) and one in Onondaga Creek (downstream at Spencer Street just upstream of Syracuse Harbor). Surface water base flow samples were collected on 13 dates every other week from June 15 through November 29. Stormwater was also sampled from six different stages of two significant storm events on August 28 and 29 and on September 7 through 9. In addition, continuous turbidity data were collected from Ninemile Creek at State Fair Boulevard (Route 48) near the creek mouth.

Surface water samples were collected from Ley Creek at Park Street on 12 different dates and also during the two monitored storm events for analysis of PCBs and total suspended solids. Park Street is located near the mouth of Ley Creek.

2.5 ANALYTICAL WORK SCOPE

Surface water samples collected at South Deep on 18 different dates from late May to late November were analyzed for numerous water quality parameters including low-level total mercury and methylmercury consistent with annual baseline monitoring efforts that began in 2008. Selected surface water samples from the 2-meter water depth at South Deep were also analyzed for filtered (i.e., dissolved) total mercury. Surface water samples collected weekly at South Deep and North Deep from June 30 to October 10 (while nitrate was being added to the lake) were analyzed for total mercury, methylmercury, nitrogen forms, and calcium (and in waters 14 meters and deeper for sulfide and ferrous iron). Surface water samples collected monthly from July through October at 12 locations deep near the lake bottom (including South Deep and North Deep) were analyzed for total mercury, methylmercury, nitrate and nitrite. In addition, surface water samples were collected on September 21 and October 13, 2011 at two other locations near the lake bottom and analyzed for total mercury, methylmercury, nitrate and nitrite.

Zooplankton samples collected at South Deep and North Deep were analyzed for total mercury and methylmercury.

Sediment trap solids (slurry) samples collected at South Deep from April through November were analyzed for total suspended solids (TSS), fixed and volatile suspended solids, inorganic carbon, calcium, and total mercury. Solids from one of the sediment trap samples collected in triplicate were analyzed for total mercury while samples from the two other sediment traps collected on the same date were archived for potential future analyses.

Adult sport fish samples included 25 samples each of smallmouth bass, walleye, pumpkinseed, and brown bullhead processed and subsequently analyzed for mercury in fillets. Prey fish samples consisted of 40 composite samples that also were analyzed for mercury.

In addition to being analyzed for mercury, a subset of adult sport fish fillet samples (12 per species for a total of 48 samples) were analyzed for PCBs, DDT and its metabolites, hexachlorobenzene, and lipids. Dioxins/furans also were analyzed in five fillet samples from each of the species of adult sport fish for a total of 20 samples. Samples selected for analysis of PCBs, DDT and its metabolites, hexachlorobenzene, lipid content and dioxins/furans were representative of the various locations in the lake and were similar to samples selected during 2008 and 2010 for the same chemical analyses. Six adult sport fish samples (two pumpkinseed, three bullhead, and one smallmouth bass) were inadvertently omitted from hexachlorobenzene analysis at the laboratory. Therefore, results are available for hexachlorobenzene for ten pumpkinseed, nine bullhead, eleven smallmouth bass, and twelve walleye collected during 2011 instead of the target of 12 samples for each sport fish species.

Three samples of alewife prey fish collected during 2011 were analyzed for stable isotopic ratios of carbon (13C/12C) and nitrogen (15N/14N) by Cornell University's stable isotope laboratory.

Samples of phytophilous invertebrates contained insufficient quantities of biomass for mercury analyses.

Each of the tributary water samples collected as part of the Book 3 work were analyzed for unfiltered total mercury, unfiltered methylmercury and total suspended solids. In addition, three or four base flow water samples and one storm event water sample from each of the three tributary sampling locations were analyzed for dissolved total mercury following filtration in the laboratory. In addition after sampling work began USEPA requested that surface water samples be collected from Ley Creek near the creek mouth and analyzed for PCBs and total suspended solids.

SECTION 3

DATA MANAGEMENT AND VALIDATION SUMMARY

3.1 DATABASE

Validated results from each of the 2011 baseline monitoring efforts have been stored and accounted for in Honeywell's Locus Focus data management system for Onondaga Lake.

3.2 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Sample identification, QA/QC procedures, sample collection, data entry, and data validation were conducted in accordance with the three agency-approved work plan addenda. Verification of sampling information and chemical data occurred at several levels during the field and laboratory work. Data verification included checking procedures for compliance with the project plan, correctness of protocols used in the field and at the laboratory, comparability of the data collection and analysis procedures, and completeness of the data set and supporting documentation.

TestAmerica Laboratories and UFI's laboratory in Syracuse, NY conducted the 2011 baseline monitoring laboratory analyses on behalf of Honeywell. TestAmerica's laboratory in North Canton, Ohio conducted the analyses for low-level mercury and low-level methylmercury. TestAmerica's laboratory in Knoxville, Tennessee conducted the analyses for dioxins and furans. Other analyses performed by TestAmerica were performed in their Pittsburgh, PA laboratory.

An additional Book 1 effort during 2011 was a round-robin assessment of low-level mercury water and zooplankton analyses performed by two different laboratories – TestAmerica Laboratories in North Canton, Ohio and Brooks Rand Laboratories in Seattle, Washington. Results from this round-robin assessment are included in Appendix A.

High reporting limits originally reported by TestAmerica Laboratories for percent lipids in 2011 fish tissue samples were later modified. TestAmerica Laboratories revised the 2011 lipid results reported for 19 of the 48 fish samples analyzed for lipid content due to originally reporting a reporting limit of 1.0 percent instead of 0.1 percent. The laboratory also correspondingly lowered its detection limit for 2011 lipid determinations from 0.3 percent to 0.03 percent. Lipid content affects reporting of results for organic compounds on a lipid-normalized basis. Reporting of organic concentrations on a wet-weight basis or in any manner other than lipid-normalized is not affected by lipid content, because extract used to determine lipid content is not the same extract used to analyze for organic compounds.

3.3 DATA VALIDATION

Chemical analytical data generated by TestAmerica and UFI were reviewed and validated by Parsons for usability in accordance with data validation procedures described in the DUSRs that are presented as Appendices A, B, and C to this report. Results presented in Appendices A through C have been incorporated into the Locus Focus database.

SECTION 4

DATA ASSESSMENT

4.1 BOOK 1 RESULTS FOR 2011

4.1.1 Deep Basin Water Quality

The deep basin water monitoring data provide a basis to measure if surface water quality standards (one of the preliminary remediation goals identified in the ROD) have been achieved and a basis to measure success in controlling key processes (such as, mercury methylation in the hypolimnion and mercury release from profundal sediment), as indicated in Table 1. The deep basin water column sampling focuses on mercury, which undergoes a dynamic cycling process each summer in Onondaga Lake, primarily as a function of lake stratification and subsequent oxygen depletion. Mercury is of concern because methylmercury can accumulate in the hypolimnion during stratification, bioaccumulate when released from the hypolimnion, and thereby pose potential risks to human health and the environment if fish are consumed.

Other water quality parameters were monitored to provide insight into lake stratification and mercury cycling. Dissolved oxygen (DO) and nitrate are particularly important parameters because methylmercury production occurs in the absence of DO and only at low concentrations of nitrate. A three-year nitrate addition pilot test began in 2011 based on a work plan approved by the agencies (Parsons and UFI, 2011). Nitrate was added in liquid form from a barge moved from day to day among three locations in the middle of the lake. Nitrate was added to the lower waters during 40 daily applications from June 30 through October 10, 2011.

Figures 5 through 8 present the DO, nitrate-nitrogen, unfiltered methylmercury and unfiltered total mercury results measured at South Deep and at North Deep over time at water depths of 2 meters (epilimnion), 12 meters (near the top of the hypolimnion), and 16 meters (mid-to-lower hypolimnion). The same parameters were also measured at a water depth of 18 meters (bottom of the hypolimnion) at South Deep where total water depths are greater than at North Deep.

DO concentrations in the lower hypolimnion declined to zero by early July. Nitrate concentrations in the hypolimnion remained at or above 1 mg/L throughout the monitoring period unlike prior years when nitrate was not applied. Methylmercury was not significantly released from underlying sediment to lower hypolimnion waters during stratification (Figures 5 through 7). The peak methylmercury concentration (0.44 nanograms per liter or ng/L) in the hypolimnion was observed in late August following a 17-day period when nitrate could not be applied due to contamination issues on the application barge. Vertical stratification of the lake ceased and DO levels increased throughout all lake water depths when the lake turned over during the week of November 3. Plots of DO, nitrate-nitrogen, methylmercury, and total mercury by depth for each sampling date are provided in Appendix D.

At the 2-meter water depth, a depth which likely reflects water quality conditions to which biota are primarily exposed, methylmercury concentrations were 0.3 ng/L or less and relatively constant throughout the summer and fall. Similarly, total mercury concentrations throughout the water column were generally less than 2 ng/L throughout the same time period.

Dissolved total mercury concentrations at the 2-meter water depth are presented in Tables 4A and 4B.

Total mercury and methylmercury concentrations analyzed in water collected near the lake bottom at profundal zone locations are summarized in Table 4C.

4.1.2 Zooplankton Mercury Concentrations

Table 5 and Figures 9A and 10A present total mercury and methylmercury concentrations measured in zooplankton collected at South Deep and North Deep. Figures 9B and 10B present methylmercury as a percentage of total mercury for these samples. Total mercury concentrations in zooplankton were less than 0.4 milligrams per kilogram (or parts per million) (mg/kg) on a wet-weight basis, and the highest concentrations were observed in mid-October prior to fall turnover. Methylmercury concentrations in zooplankton were less than 0.015 mg/kg throughout the May through November sampling period. Methylmercury as a percentage of total mercury was 10 percent or less until fall turnover when the percentage of methylmercury increased to 13 to 19 percent.

4.1.3 Zooplankton Community Composition

The zooplankton community was primarily composed of cladocerans (Figure 11). The largest zooplankton biomass quantities were observed in July. Large Daphnia were not observed throughout the entire sampling period in sufficient quantities to sample and conduct chemical analyses.

4.1.4 Sediment Trap Solids and Mercury

Table 6 presents mercury in slurry, triplicate total suspended solids results, and calculated mercury on slurry solids collected from sediment traps. Average suspended solids contents in these samples ranged from 719 to 3,788 mg/l. Mercury concentrations on sediment trap solids ranged from 0.38 to 0.98 mg/kg. The arithmetic average mercury content of sediment trap solids was 0.7 mg/kg. Mercury deposition rates based on sediment trap results averaged 5.2 micrograms per square meter per day.

4.2 BOOK 2 RESULTS FOR 2011

4.2.1 Adult Sport Fish and Prey Fish Tissue Chemical Results

Mercury was detected in each of the 100 samples from adult sport fish fillets (0.021 to 4.1 milligram per kilogram or mg/kg [approximately the same as one part per million]), and 40 whole-body prey fish composite samples (0.095 to 0.96 mg/kg) including 16 alewife composite samples (0.17 to 0.27 mg/kg) (Table 7). Mercury concentration versus age in adult sport fish was evaluated to assess trends with age. Mercury concentration tends to increase with age in

smallmouth bass, walleye, and pumpkinseed sunfish, while no trend is apparent for brown bullhead (Figure 12).

Polychlorinated biphenyls (PCBs) were detected in 11 of 12 smallmouth bass, 12 of 12 walleye, 11 of 12 brown bullhead, and six of 12 pumpkinseed (0.220 to 1.2 mg/kg in smallmouth bass; 0.12 to 3.2 mg/kg in walleye; 0.020 to 0.12 mg/kg in brown bullhead; 0.011 to 0.037 mg/kg in pumpkinseed; Table 7).

DDT and metabolites were detected in 11 of 12 pumpkinseed samples (0.017U to 0.0216 mg/kg), 10 of 12 brown bullhead samples (0.0017U to 0.0483 mg/kg), 12 of 12 smallmouth bass samples (0.0081 to 0.114 mg/kg), and 12 of 12 walleye samples (0.0094 to 0.2982 mg/kg; Table 7).

Hexachlorobenzene was detected in 12 of 12 walleye samples (0.0034 to 0.044 mg/kg), eight of nine brown bullhead samples (0.0019 to 0.03 mg/kg), 8 of 10 pumpkinseed samples (0.0003 to 0.0031 mg/kg), and 11 of 11 smallmouth bass (0.0007 to 0.23 mg/kg; Table 7).

Lipid contents ranged from 0.07 to 0.77 percent in brown bullhead fillets, 0.079 to 1.2 percent in pumpkinseed fillets, 0.25 to 3.5 percent in smallmouth bass fillets, and 0.78 to 5.1 percent in walleye fillets (Table 7). Lipid content results for two of the smallmouth bass fillets and for one each of the brown bullhead and pumpkinseed fillets were not considered usable and were therefore not reported.

Dioxins were detected in each of the five smallmouth bass, and in four of the five brown bullhead and walleye fillet samples and in three of the five pumpkinseed samples analyzed. Detections of dioxins and furans are reported in Table 7A as toxicity equivalents on a nanogram per kilogram basis. One ng/kg is the same as one part per trillion or 0.000001 part per million.

4.2.2 Stable Isotope Results

Results of stable isotope analyses can be used to evaluate position of the lake's organisms within the food web as well as diet and original carbon source, both of which help to better understand local bioaccumulation pathways. A value called delta ("δ") is calculated using the equation:

$$\delta = [(R_{SAMPLE}/R_{STANDARD} - 1)]*1000$$

where R is the ratio of the heavy isotope to the light (and generally most abundant) isotope.

δ is reported in parts per thousand (‰), where a value of 0 ‰ means that the sample is identical to the standard. A negative δ value indicates that the sample is lighter and a positive value indicates that the sample is heavier than the standard. In general, an increase in δ15N represents an increase in trophic level. Differences in δ13C show differences in food sources.

Patterns in δ15N values provide information on relative position in the food web with relatively low δ15N values representing lower trophic level consumers. Figures 13 and 14 show

the 2011 (alewife only) and prior stable isotope results. Alewife feed on zooplankton and fish larvae, which is consistent with the results presented in Figure 13.

Patterns in δ13C provide insight about diet of various lake organisms. Distinct δ13C clusters that represent different food sources are evident in organisms from Onondaga Lake. One cluster represents a benthic food source and includes amphipods, chironomids, golden shiners, and minnows and crayfish. The other cluster represents a water column food source which includes zebra mussels, zooplankton, alewife, smallmouth bass, and walleye.

4.2.3 Fish Diet

Fish diets, as determined by SUNY-ESF based on gut content analysis, are presented in Table 8. The majority of stomachs from fish collected for tissue analysis were empty when pumped following electroshocking; a few fish and fish parts were noted from walleye and smallmouth bass guts during processing.

The majority of bass sampled to assess fish diet (20 out of 25) had empty stomachs. The only contents found in any of the bass stomachs were fish or fish parts. The majority of walleye sampled to assess fish diet (21 out of 25) had empty stomachs. The only contents found in the four walleye stomachs were fish, three with alewife and one with unidentified fish parts (Table 8).

4.2.4 Fish Community Assessment

Fish representing 42 species were captured or observed in Onondaga Lake during fish community sampling at 10 locations from May through October. Fish representing 36 species were captured with trapnets, 15 species with gill nets, nine species with a boat electroshocker, and 19 species with seines (Table 9).

During trap net sampling, nets were set at each location once per month during the late afternoon/evening and checked the following morning. Trap net locations were sampled from June through October; trap net sampling was not conducted in May due to high water levels. A total of 6,295 fish representing 36 species were captured during 49 nights of trap netting during 2011 (Table 10). The fish community was dominated by gizzard shad (24.6 percent of the total catch) with 70 percent of the gizzard shad captured at the Metro location. Alewife made up 24 percent of the community followed by bluegill (14 percent), banded killifish (7.4 percent), and largemouth bass (6.8 percent). Ten species made up between one and six percent of the catch and 21 species contributed less than one percent of the total catch. The number of species captured at each site varied from 17 species at the Iron Bridge and Rte. 690 locations to 26 species at the Maple Bay location (Table 10).

Fifty-five gill nets were set for approximately two hours between May 24, 2011 and October 13 at 10 different locations throughout Onondaga Lake (Table 11). A total of 626 fish and 15 species were captured during sampling. The most common fish captured were walleye (34 percent of the total catch), gizzard shad (16 percent), and channel catfish (14 percent; Table 12). Two lake sturgeon were captured, each of which was captured at a different gill-net site. Nine brown trout also were captured during May, June, and July. Species richness per site

varied between four species at Harbor Brook and ten species at both the Ninemile and Wastebeds 1 through 8 locations (Table 12).

Forty-five sturgeon gill nets were set at 8 locations from May 30 through October 13. They were fished for an average of four hours per net. Twelve lake sturgeon were captured with a catch per unit of effort (CPUE) (fish per hour) of 0.07 (excluding two sturgeon captured during community sampling). Eleven lake sturgeon were tagged in 2011 with Carlin dangler tags with two of these also recaptured at a later date (Table 13). Mean total length was 50.6 in. (1285 mm) with a range from 38.4 to 58.3 in. (975 mm to 1480 mm). Six lake sturgeon were weighed during sampling with a mean of 40.5 pounds (18.4 kg) and a range of 18.7 to 49.6 pounds (8.5 kg to 22.5 kg). Lake sturgeon were captured at six locations during targeted sampling: four at the outlet, three at Hiawatha Point, two at the Wastebeds 1 through 8 location, one at the Causeway location, one at the Marina location, and one at the Iron Bridge location (Table 13). In addition, two lake sturgeon were captured during regular gillnetting one from the Permanent Habitat Module (PHM) and one from the Causeway location (Table 13).

Seining was conducted during the week of August 15 at ten locations (Figure 1 and Table 14). Two thousand five hundred and thirty fish from 19 species were captured. Fish catch was dominated by banded killifish (42 percent) and largemouth bass (40 percent). Yellow perch (4 percent), tessellated darter (4 percent), pumpkinseed (2.5 percent), and bluegill sunfish (2 percent) made up the majority of the other species caught. All other species contributed less than 1 percent of the total catch. The number of species captured at each location ranged from five at both the Wastebeds 1 through 8 and Marina locations to 14 at the Maple Bay location (Table 14).

4.2.5 Fish Population Assessment for Adult Pumpkinseed, Bluegill and Largemouth Bass

A total of 1,515 adult pumpkinseed fish with total lengths of 100 mm [3.9 in.] or more were captured and marked from May to November, with three recaptures, during seven sampling events. Due to the limited number of recaptures, a population estimate for pumpkinseed could not be calculated.

A total of 461 adult bluegill fish with total lengths of 100 mm [3.9 in.] or more were captured and marked from May to November, with one recapture during seven sampling events. Due to the limited number of recaptures, a population estimate for bluegill could not be calculated.

A total of 231 adult largemouth bass fish with total lengths of 300 mm [11.8 in.] or more were captured during seven sampling efforts with five recaptures. The lakewide largemouth bass population for 2011 was estimated at 5,492 with a 95 percent confidence interval of 3,051 to 27,481.

4.2.6 Assessment of Walleye and Smallmouth Bass Movement Using Telemetry

Telemetry data were collected beginning in 2010 and continued in 2011 to assess the amount of time individual fish are in Onondaga Lake throughout the season and to assess

movements of fish within the lake. Eighteen fish (13 walleye and five smallmouth bass) were captured and tagged with sonic telemetry tags during the summer and fall of 2011 (Table 15). Fish that were tagged were captured using short gill net sets to reduce stress to the fish. Fish that were deemed suitable for tagging were held in a net pen near the marina for up to 24 hours to assess condition prior to tagging. Thirteen walleye were tagged on May 11-12 and five smallmouth bass were tagged on June 27.

Use of the lake by individual fish was assessed with manual and passive tracking techniques. Manual tracking was conducted by boat using a hydrophone lowered over the side of the boat and a receiver to locate tagged fish in real time throughout the lake. Manual tracking of fish was conducted for one to two days approximately every other week (May 13 to October 24) with 8 hour and 24-hour surveys. During the 8-hour surveys attempts were made to identify as many tagged fish as possible and record fish location at least once during this time period, while 24-hour surveys tracked the same two fish every hour for 24 hours to gather data on short-term movements. During each survey, locations and depths of each fish being tracked were recorded. During each tracking event, fish location was determined and global positioning system (GPS) coordinates recorded, as well as the temperature of the fish (used to estimate depth of the fish in the water column based on temperature profiles). Passive tracking was conducted by installing automated underwater receivers at the Onondaga Lake outlet, at the mouth of Ninemile Creek, and at the Inner Harbor of Onondaga Creek to assess fish movements. These receivers recorded data on fish movement into or out of the lake and can record up to 210,000 detections.

4.2.6.1 Eight-Hour Fish Trackings

Twelve eight-hour fish tracking surveys were conducted from May 13 to October 17, 2011. All except one fish (Fish ID 123) tagged in 2011 were located at least two times after being tagged and released. One smallmouth bass tagged in 2011 was assumed dead due to of a lack of movement (Table 15). Tags were detected a total of 183 times during the eight hour surveys. The majority of tag detections were found in sediment management unit (SMU) 8 (i.e., within the pelagic zone) for both walleye and smallmouth bass (Table 16). Walleye and smallmouth bass also were located in SMUs 4, 5, and 6. Only walleye were located in SMU 3 and only smallmouth bass were located in SMUs 1, 2, and 7.

4.2.6.2. Twenty-Four Hour Fish Trackings

Walleye were tracked 18 times on 10 different occasions between May 24 and October 24. During these tracking events, 13 individual fish were tracked; one fish was tracked three times, four fish were tracked two times, and eight fish were each tracked once (Figure 15a to 15j). Smallmouth bass were tracked five times between July 11 and October 10. One smallmouth bass was tracked three times and the other two smallmouth bass were each tracked once (Figure 16a and 16b). Fish were tracked for 24 hours on six dates; sampling was ended prior to the end of 24 hours on three dates because of extreme weather conditions and one date due to inability to find the targeted fish.

The sonic tags used to track fish also recorded fish temperature which provides an estimate of water temperature where the fish is located. Based on temperature, the depth of the fish may

be approximated based on the lake temperature profile available from UFI's robotic buoy located at South Deep. Throughout the 2011 fish trackings, the maximum temperature recorded for walleye was 28.0 degrees Celsius and 27.5 degrees Celsius for smallmouth bass both observed in late July, while the minimum temperature of 11.5 degrees Celsius for walleye and 16.5 degrees Celsius for smallmouth bass was observed during October (Table 17). This temperature range is consistent with known temperature preferences for walleye and smallmouth bass.

Walleye and smallmouth bass stayed within the lake boundaries during 2011 tracking events. Walleye movement in 24 hours varied between 1.11 miles (1,782 m) on August, 8 and 7.92 miles (12,750 meters) on October 10 with an average distance of 3.70 miles (5,953 meters) travelled. Smallmouth bass movement in 24 hours varied between (0.66 miles (1,063 meters) and 4.94 miles (7,951 meters) both on July 7. The average distance travelled during 24 hours was 1.78 miles (2,869 meters).

On average, walleye were observed during 2011 to be suspended over water with depths greater than 23 ft. or 7 meters, while smallmouth bass were suspended over shallower water on average (Table 17). During the warmer summer months (July and August) walleye were located over shallower water (water depths less than 10 meters) than they were over the early summer (June) and fall months (September, October, November) (water depths greater than 33 ft. or 10 meters: Table 17). Smallmouth bass were recorded over the shallowest water depths during early July with observations over deeper water in late July and October.

4.2.6.3 Passive Receivers

Passive sonic receivers were deployed at three locations in June to record movements of tagged fish in and out of the lake. Data were downloaded on October 6 and receivers were subsequently returned to each location to continue monitoring fish movements throughout the winter; receivers will be retrieved following ice-out in 2012.

Fish detected with passive receivers during 2011 are summarized in Tables 18 and 19. The outlet receiver had 2,567 detections from 16 walleye and 1 smallmouth bass between June 7, 2011 and October 6 (Table 18). The Onondaga Creek receiver had 9,836 detections from seven walleye between July 8 and October 6 (Table 19), while the Ninemile Creek receiver had 21 detections from one walleye between September 8 and September 29. At the outlet, the one smallmouth bass (ID 143) had the greatest number of detections (67 percent) of any fish detected at that location. The total number of detections in the outlet steadily increased during summer months, with the greatest activity occurring in September. At the Onondaga Creek location, one walleye (ID 115) had the greatest number of detections with 92 percent of total detections for that location. The number of detections at Onondaga Creek was greatest in August.

Several walleye were tracked traversing the length of the lake with detections at both the lake outlet and Onondaga Creek. Walleye ID 66 was detected in the outlet in June and Onondaga Creek in July. Walleye ID 114 was detected in Onondaga Creek in July and August; on August 31, it was detected in the outlet and then in Onondaga Creek. It subsequently traveled north back to the outlet where it was detected in September and October. This fish had the most number of detections of any other fish in the outlet for those months. Walleye ID 115 was

detected in Onondaga Creek from July through September 10; one week later it was detected in the outlet. Walleye ID 131 appeared to travel considerably during the summer months with tag detections found in both the outlet and Onondaga Creek in July, August, and September.

4.2.7 Phytophilous Invertebrate Survey Results

Nine locations were selected throughout the lake in 2011 for assessing phytophilous macroinvertebrates. Identification of types of phytophilous invertebrates showed a dominance of bivalves (mean of 27 percent with a range from 1 to 73 percent by location) and gastropods (mean 38 percent; range of 9 to 80 per location) living on the plants (Figure 17). Taxon richness (number of different taxa) was highest among the chironomids. Number of taxa varied among stations with the highest number (23 different taxa) from Willow Bay (Station ID 50062) and the lowest number (seven taxa) from the Wastebeds 1 through 8 location (Station ID 30095).

4.3 BOOK 3 RESULTS FOR 2011

Table 20 presents unfiltered total mercury and methylmercury concentrations measured in tributary surface water samples. The highest total mercury concentrations observed in water samples from Onondaga Creek and Ninemile Creek were 42 and 79 ng/L respectively. The highest methylmercury concentrations observed in water samples from Onondaga Creek and Ninemile Creek were 0.45 and 0.54 ng/L respectively. Three of the nine samples from Ninemile Creek and none of the four samples from Onondaga Creek analyzed for dissolved total mercury exceeded the NYSDEC surface water quality standard (Table 21).

PCB aroclor concentrations measured in Ley Creek surface water at Park Street near the creek mouth varied from none detected to 0.087 ug/L during periodic sampling and from none detected to 0.23 ug/L during the two 2011 storm events when surface water samples were collected.

SECTION 5

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DATA USABILITY SUMMARY REPORT, ONONDAGA LAKE BASELINE MONITORING BOOK 2 ADDENDUM 3 (2011): FISH, INVERTEBRATE, AND LITTORAL SURFACE WATER MONITORING

APPENDIX C

DATA USABILITY SUMMARY REPORT, ONONDAGA LAKE BASELINE MONITORING BOOK 3 ADDENDUM 1 (2011): TRIBUTARY MONITORING

APPENDIX D

PLOTS OF DISSOLVED OXYGEN, NITRATE, TOTAL MERCURY AND METHYLMERCURY BY DEPTH AT SOUTH DEEP IN 2011

APPENDIX A:

DATA USABILITY SUMMARY REPORT

ONONDAGA LAKE BASELINE MONITORING BOOK 1 FOR 2011: DEEP BASIN WATER AND ZOOPLANKTON MONITORING

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SECTION A1

DATA USABILITY SUMMARY

Surface water, zooplankton, water column, and sediment trap samples were collected as part of the Book 1 baseline monitoring efforts for Onondaga Lake from May 23, 2011 through November 21, 2011. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Onondaga Lake Baseline Monitoring Book 1 Work Plan
- Onondaga Lake Baseline Monitoring Book 1 QAPP (Appendix B of the Work Plan)
- USEPA Region II Standard Operating Procedures (SOPs) for inorganic data review

Upstate Freshwater Institute (UFI) in Syracuse, New York collected all of the Book 1 samples during 2011.

The analytical laboratories for this project were Test America Laboratories (TAL) and UFI. These laboratories are certified by the State of New York to conduct laboratory analyses for this project through the National Environmental Laboratory Accreditation Conference (NELAC) and the New State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP).

A1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 9 to 107 days for the samples.

The data packages received from the laboratories were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized by sample media in Section A2.

A1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, shipped under a chain-of-custody (COC) record, and received at the laboratories within one day of sampling. All samples were received intact and in good condition at the laboratories.

A1.3 LABORATORY ANALYTICAL METHODS

The surface water and water column samples were collected from the site and analyzed for total and/or dissolved low level mercury, methylmercury, dissolved organic carbon (DOC), total inorganic carbon (TIC), TOC, total carbon, TSS, total fixed solids, chlorophyll, chloride, sulfide, methane, ferrous iron, total calcium, nitrite, nitrate-nitrite, and/or ammonia. Zooplankton samples were collected from the site and analyzed for low level mercury and methylmercury. Weekly sediment trap samples were collected from the site and analyzed for total calcium, total organic carbon (TOC), total carbon, total suspended solids (TSS), and total fixed solids, while sediment trap samples were analyzed for low level mercury on a monthly to weekly basis. Summaries of deviations from the Work Plan, QAPP, or USEPA Region II SOPs concerning these laboratory analyses are presented in Subsections A1.3.1 through A1.3.4. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) are discussed for each analytical method by media in Section A2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given

"UJ" - estimated and not detected at the value given

"J" - estimated at the value given

"N" - presumptive evidence at the value given

"R" - unusable value

The validated laboratory data were tabulated and are presented in Attachment A.

An additional Book 1 split sampling effort was conducted for the analysis of low-level mercury and methylmercury at two different laboratories – TAL in North Canton, Ohio and Brooks Rand Laboratories (BRL) in Seattle, Washington. Results from this round-robin assessment are included in Subsection A2.4 and Attachment A-4.

A1.3.1 Low Level Mercury Analysis

Surface water, zooplankton, sediment trap, and water column samples collected from the site were analyzed by TAL for low level mercury using the USEPA 1631E analytical method. Certain reported results for the low level mercury samples were qualified as estimated based upon matrix spike recoveries and field duplicate precision. The reported low level mercury analytical results were considered 100% complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

A1.3.2 Methylmercury Analysis

Surface water, zooplankton, and water column samples collected from the site were analyzed by TAL for methylmercury using the USEPA 1630 analytical method. Certain reported results for the methylmercury samples were qualified as estimated based upon surrogate recoveries, laboratory control sample recoveries, matrix spike recoveries, instrument calibrations, and field duplicate precision. The reported methylmercury analytical results were considered 100% complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

A1.3.3 Other Sediment Trap Analyses

Sediment trap samples collected from the site following a 7-day deployment in the lake were also analyzed by UFI using analytical SOPs for total calcium, TOC, total carbon, TSS, and total fixed solids. Sample results for these parameters did not require qualification resulting from data validation. The reported analytical results for these parameters were considered 100% complete (i.e., usable) for the data presented by UFI. PARCC requirements were met.

A1.3.4 Other Surface Water and Water Column Analyses

Surface water and water column samples collected from the site were analyzed by UFI using analytical SOPs for DOC, TIC, TOC, total carbon, TSS, total fixed solids, chlorophyll, chloride, sulfide, methane, ferrous iron, total calcium, nitrite, nitrate-nitrite, and/or ammonia. Certain reported results were qualified as estimated based upon holding times, matrix spike recoveries, laboratory duplicate precision, sample triplicate precision, and instrument calibrations. The reported analytical results for these parameters were considered 100% complete (i.e., usable) for the data presented by UFI. PARCC requirements were met.

SECTION A2

DATA VALIDATION REPORTS

A2.1 SURFACE WATER AND WATER COLUMN SAMPLES

Data review has been completed for data packages generated by TAL and UFI containing surface water and water column samples collected from the site. The specific samples contained in these data packages, the analyses performed, and the validated laboratory data were tabulated and are presented in Attachment A-1. All of these samples were shipped under a COC record and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the project work plan and QAPP as well as the USEPA Region II SOP HW-2, Revision 13 "Evaluation of Metals Data for the CLP Program". This data validation and usability report is presented by analysis type.

A2.1.1 Total and Dissolved Low Level Mercury

The following items were reviewed for compliancy in the low level mercury analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, laboratory preparation blank, field blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination, MS/MSD recoveries, and field duplicate precision as discussed below.

Blank Contamination

Initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained total mercury at a concentration below the reporting limit ranging from 0.129 to 0.318 ng/L and dissolved mercury at a concentration ranging from 0.139 to 1.15 ng/L. Field blanks associated with project samples contained total mercury at a concentration below the reporting limit ranging from 0.12 to 0.72 ng/L and dissolved mercury at a concentration below the reporting limit ranging from 0.12 to 0.45 ng/L. Therefore, associated sample results less than validation action concentrations were considered not detected and qualified "U" for the associated samples.

It was noted that field blank OL-1630-01 associated with samples within sample delivery group (SDG) 240-4727-1 contained total mercury at a concentration of 0.62 ng/L; the field blank OL-1632-01 associated with samples within SDG 240-4870-1 contained total mercury at a concentration at 0.85 ng/L; and the field blank OL-1648-01 associated with samples in SDG 240-5421-1 contained total mercury at a concentration of 0.69 ng/L. Since the contamination of the field blank water from the laboratory is suspected for these field blank samples, the contamination detected in these blanks was not used to evaluate project samples.

MS/MSD Recoveries

All MS/MSD mercury recoveries were considered acceptable and within the 71-125%R QC limit with the exception of the high total mercury MS recovery (128%R) associated with samples in sample delivery group (SDG) 240-394-1; the low dissolved mercury MS recovery (61%R) associated with samples in SDG 240-2041-1; the low total mercury MS/MSD recoveries (68%R/69%R) associated with samples in SDG 240-2107-1; the low total mercury MS recovery (69%R) associated with samples in SDG 240-2265-1; the low total mercury MS/MSD recoveries (67%R/62%R) associated with samples in SDG 240-3088-1; the low total mercury MSD recovery (62%R) associated with samples in SDG 240-4464-1; the low dissolved mercury MS/MSD recoveries (47%R/43%R) and the low total mercury MSD recovery (68%R) associated with samples in SDG 240-4727-1; the low total mercury MS recovery (68%R) associated with samples in SDG 240-4870-1; the low dissolved mercury MS recovery (64%R) associated with samples in SDG 240-5210-1; the low dissolved mercury MS/MSD recoveries (63%R/68%R) associated with samples in SDG 240-5421-1; and the low total mercury MS/MSD recoveries (62%R/69%R) associated with samples in SDG 240-4088-1. Therefore, positive mercury results for those samples where the associated spiked recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J" for the affected sample. Mercury results for those samples where the associated spiked recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision of total mercury for the field duplicate pairs OL-1630-02/-03 (50%RPD) and OL-1648-02/-03 (79%RPD). Therefore, the total mercury results for these samples were considered estimated and qualified "J".

Usability

All total and dissolved mercury sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The total and dissolved low level mercury data presented by TAL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-1.

A2.1.2 Methylmercury

The following items were reviewed for compliancy in the methylmercury analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Initial and continuing calibration verifications
- Initial and continuing calibration, laboratory preparation blank, and field blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, continuing calibration verifications, blank contamination, MS/MSD recoveries, LCS recoveries, and field duplicate precision as discussed below.

Surrogate Recoveries

All n-propyl mercury chloride sample surrogate recoveries were considered acceptable and within the 50-150%R QC limit with the exception of the low surrogate recovery in samples OL-1414-05 (47%R), OL-1425-07 (46%R), -13 (46%R), OL-1428-10 (29%R), -11 (38%R), -14 (46%R), OL-1446-02 (43%R), OL-1451-07 (49%R), -08 (47%R), OL-1483-04 (27%R), -05 (44%R), -06 (49%R), -07 (49%R), -10 (35%R), -11 (35%R), -12 (46%R), -13 (46%R), OL-1490-08 (49%R), OL-1603-02 (26%R), -03 (15%R), -04 (13%R), -05 (32%R), -06 (24%R), -09 (12%R), -10 (15%R), -11 (34%R), OL-1607-02 (8%R), -03 (14%R), -04 (25%R), -05 (32%R), -06 (38%R), -07 (41%R), -09 (23%R), -10 (7%R), -11 (32%R), -12 (29%R), -14 (13%R), OL-1616-02 (39%R), -03 (42%R), -04 (17%R), -05 (23%R), -06 (48%R), -07 (15%R), -08 (47%R), -10 (39%R), -12 (12%R), -13 (16%R), -14 (38%R), OL-1623-02 (12%R), -03 (46%R), -04 (2%R), -05 (2%R), -06 (3%R), OL-1632-02 (48%R), -04 (41%R), OL-1643-13 (45%R), -14 (43%R), OL-1648-06 (44%R), -09 (39%R), -10 (39%R), OL-1612-02 (48%R), -03 (13%R), -05 (46%R), -06 (49%R), -08 (38%R), -09 (44%R), -10 (20%R), -11 (28%R), -12 (17%R), -13 (19%R), -14 (18%R), and -15 (15%R). Therefore, methylmercury results associated with these samples were considered estimated, possibly biased low, with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

Continuing Calibration Verifications

All continuing calibration verifications were considered acceptable and within the ±33%D QC limit with the exception of the continuing calibration verification for methylmercury (-42.3%D) associated with sample OL-1414-02. The methylmercury result for this sample was considered estimated and qualified “J”.

Blank Contamination

Initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained methylmercury at a concentration below the reporting limit ranging from 0.0101 to 0.0486 ng/L. Field blanks associated with project samples contained methylmercury at a concentration below the reporting limit ranging from 0.011 to 0.032 ng/L. Therefore, associated sample results less than validation action concentrations were considered not detected and qualified “U” for the associated samples.

It was noted that field blank OL-1463-01 associated with SDG 240-2655-1 contained methylmercury mercury at a concentration of 0.095 ng/L; the field blank OL-1477-01 associated

with samples within SDG 240-3088-1 contained methylmercury at a concentration at 0.15 ng/L; and the field blank OL-1623-01 associated with samples in SDG 240-4464-1 contained methylmercury at a concentration of 0.26 ng/L. Since contamination of the field blank water from the laboratory is suspected for these field blank samples, the contamination detected in these blanks was not used to evaluate project samples.

MS/MSD Recoveries

All MS/MSD methylmercury recoveries for designated spiked project samples were considered acceptable and within the 65-135%R QC limit with the exception of the low MS/MSD methylmercury recoveries (46%R/40%R) associated with samples in SDG 240-2041-1; the low MS/MSD recoveries (59%R/59%R) associated with samples in SDG 240-2265-1; the low MS/MSD recoveries (50%R/57%R) associated with samples in SDG 240-1706-1; the low MS recovery (56%R) associated with samples OL-1477-01, -02, -03, -04, and -09; the low MS/MSD recoveries (46%R/40%R) associated with samples in SDG 240-3757-1; the low MS/MSD recoveries (32%R/22%R) associated with samples in SDG 240-4004-1; the low MS/MSD recoveries (50%R/65%R) associated with samples in SDG 240-4233-1; the low MS/MSD recoveries (28%R/26%R) associated with samples in SDG 240-4464-1; and the low MS/MSD recoveries (52%R/56%R and 59%R/52%R) associated with samples in SDG 240-4870-1. The methylmercury results associated with these samples were considered estimated, possibly biased low, with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

LCS Recoveries

All LCS methylmercury recoveries were considered acceptable and within the 67-133%R QC limit with the exception of the low methylmercury LCS recovery (66%R) associated with samples in SDGs 240-5210-1, 240-5421-1, and 240-4675-1. Therefore, the methylmercury results associated with these samples were considered estimated, possibly biased low, with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the methylmercury precision result for the field duplicate pairs OL-1446-02/-03 (74%RPD) and OL-1623-02/-03 (144%RPD). Therefore, the methylmercury results for these samples were considered estimated and qualified “J”.

Usability

All methylmercury sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The methylmercury data presented by TAL were 100% complete (i.e., usable). The validated methylmercury laboratory data are tabulated and presented in Attachment A-1.

A2.1.3 DOC, TIC, TOC, Total Carbon, TSS, Total Fixed Solids, Chlorophyll, Chloride, Sulfide, Methane, Total Calcium, Ferrous Iron, Nitrite, Nitrate-Nitrite, and Ammonia

All custody documentation, holding times, matrix spike recoveries, laboratory duplicate precision, laboratory control sample recoveries, laboratory method blank contamination, QC field blank contamination, initial and continuing calibration verifications, field duplicate precision, and quantitation limits were reviewed for compliance. Validation qualification of the sample results for these parameters was not required with the exception of the following:

- The ammonia results for samples OL-1421-01, -02, -06, OL-1433-01, -15, OL-1444-01, -02, -03, -12, -18, OL-1449-18, OL-1467-18, OL-1628-18, OL-1488-18 were considered not detected and qualified “U” based upon similar concentrations detected in the associated laboratory blanks.

- The sulfide results for samples OL-1421-09, -10, and -11 were considered estimated, possibly biased low, and qualified “UJ” based upon an exceedance of the 7-day analytical holding time by two days.

- The total inorganic carbon results for samples OL-1467-01, -02, -03, -05, -07, -08, and -18 were considered estimated, possibly biased low, and qualified “J” or “UJ” based upon an exceedance of the 48-hour analytical holding time by six days.

- The total carbon results for samples OL-1462-01, -02, and -03 were considered estimated, possibly biased low, and qualified “J” based upon an exceedance of the 28 day analytical holding time by two days.

- The nitrate-nitrite results for samples in SDGs CHM 2011-052 and CHM 2011-043; and the ammonia results for samples in SDG CHM 2011-043 were considered estimated, possibly biased low, and qualified “J” or “UJ” based upon low matrix spike recoveries.

- The ferrous iron results for samples in SDG CHM 2011-023 were considered estimated, possibly biased low, and qualified “J” or “UJ” based upon low matrix spike recoveries.

- The ammonia results for samples OL-1433-01, -02, -03, -04, -05, -07, -09, -11, -15, -16, -17, -18, OL-1457-06, -07, -08, -12, -13, -14, -15, OL-1646-01, -02, -03, -04, -05, -06, -10, -11, and -14; and the sulfide results for samples OL-1433-05, -06, -07, -08, -09, -10, -12, -13, -14, -17, -18, -19, and -20 were considered estimated, possibly biased low, and qualified "J" or "UJ" based upon the associated continuing calibration verification recovery falling below the QC limit.

- The ammonia result for sample OL-1444-16 and the nitrate-nitrite result for sample OL-1628-03 were considered estimated and qualified "J" based upon an exceedance in instrument calibration ranges.

- The positive ammonia results for samples in SDG CHM 2011-063 were considered estimated, possibly biased high, and qualified "J" based upon an exceedance in matrix spike recoveries.

- The ferrous iron results for samples OL-1437-09, -10, -11, OL-1467-09, -10, and -11; the TOC results for samples OL-1602-01, -02, and -03; and the total fixed solids results for samples OL-1458-01, -02, and -03 were considered estimated and qualified "J" based upon an exceedance in triplicate precision.

- The DOC results for samples OL-1467-05, -07, -08, and -18 and the nitrate-nitrite result for sample OL-1633-01 were considered not detected and qualified "U" based upon similar concentrations detected in the associated laboratory blanks.

- The chlorophyll results for samples in SDG CHM 2011-074 were considered estimated and qualified "J" or "UJ" based upon a laboratory duplicate precision exceedance.

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The data for these parameters presented by UFI were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-1.

A2.2 ZOOPLANKTON SAMPLES

Data review has been completed for data packages generated by TAL containing zooplankton samples collected from the site. The specific samples contained in these data packages, the analyses performed, and the validated laboratory data were tabulated and are presented in Attachment A-2. All of these samples were shipped under a COC record and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the project work plan and QAPP as well as the USEPA Region II SOP HW-2, Revision 13 "Evaluation of Metals Data for the CLP Program". This data validation and usability report is presented by analysis type.

A2.2.1 Low Level Mercury

The following items were reviewed for compliancy in the low level mercury analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, and laboratory preparation blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination as discussed below.

<u>Blank Contamination</u>

Initial and continuing calibration blanks and laboratory preparation blanks contained low level mercury below the reporting limit associated with project samples at a concentration ranging from 0.153 to 0.309 ug/kg. Validation qualification of the project samples was not required since the samples were not affected by the contamination detected in these blanks.

Usability

All low level mercury sample results for the zooplankton were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The low level mercury data presented by TAL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-2.

A2.2.2 Methylmercury

The following items were reviewed for compliancy in the methylmercury analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Initial and continuing calibration verifications
- Initial and continuing calibration, and laboratory preparation blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of LCS recoveries and blank contamination as discussed below.

LCS Recoveries

All LCS recoveries for methylmercury were considered acceptable and within the 40-145%R QC limit with the exception of the low methylmercury LCS recovery (20%R) associated with zooplankton samples OL-1664-01 and -02. The methylmercury results for these samples were considered estimated, possibly biased low, and qualified “J”.

Blank Contamination

Initial and continuing calibration blanks and laboratory preparation blanks contained methylmercury below the reporting limit associated with project samples at a concentration ranging from 0.0644 to 0.169 ug/kg. The methylmercury sample results did not require qualification since sample concentrations were not affected by the contamination in these blanks.

Usability

All methylmercury sample results for the zooplankton were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The methylmercury data presented by TAL were 100% complete (i.e., usable). The validated methylmercury laboratory data are tabulated and presented in Attachment A-2.

A2.3 SEDIMENT TRAP SAMPLES

Data review has been completed for data packages generated by TAL and UFI containing sediment trap samples collected from the site. The specific samples contained in these data packages, the analyses performed, and the validated laboratory data were tabulated and are presented in Attachment A-3. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the project work plan and QAPP as well as the USEPA Region II SOP HW-2, Revision 13 “Evaluation of Metals Data for the CLP Program”. This data validation and usability report is presented by analysis type.

A2.3.1 Low Level Mercury

The following items were reviewed for compliancy in the low level mercury analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, and laboratory preparation blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision

- Laboratory control sample (LCS) recoveries
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination as discussed below.

Blank Contamination

Initial and continuing calibration blanks and laboratory method blanks associated with project samples contained low level mercury below the reporting limit at a concentration ranging from 0.120 to 0.313 ng/L. The low level mercury sample results were not affected by the contamination in these blanks and validation qualification was not required for the project samples.

Usability

All low level mercury results for the sediment trap samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The low level mercury data presented by TAL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-3.

A2.3.2 Total Calcium, TOC, Total Carbon, TSS, and Total Fixed Solids

All custody documentation, holding times, matrix spike recoveries, laboratory duplicate precision, laboratory control sample recoveries, laboratory method blank contamination, initial and continuing calibration verifications, field duplicate precision, and quantitation limits were reviewed for compliance. Validation qualification of the sample results for these parameters was not required.

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The data for these parameters presented by UFI were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-3.

A2.4 SPLIT SAMPLES

An additional Book 1 split sampling effort was conducted for the analysis of low level mercury and methylmercury analyses for surface water, zooplankton, water column, and sediment trap samples. This round robin analysis was performed between TAL in North Canton, Ohio and Brooks Rand Laboratories (BRL) in Seattle, Washington.

Data review has been completed for data packages generated by TAL and BRL containing split samples collected from the site. The specific samples contained in these data packages, the analyses performed, and the validated laboratory data were tabulated and are presented in Attachment A-4. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratories.

Data validation was performed for all samples in accordance with the project work plan and QAPP as well as the USEPA Region II SOP HW-2, Revision 13 "Evaluation of Metals Data for the CLP Program". The data usability summaries for the samples analyzed by TAL were presented in Subsections A2.1, A2.2, and A2.3. For the low level mercury and methylmercury data presented by BRL, all custody documentation, holding times, matrix spike recoveries, laboratory duplicate precision, laboratory control sample recoveries, laboratory method blank contamination, initial and continuing calibration verifications, field duplicate precision, and quantitation limits were reviewed for compliance. Validation qualification of the split sample results for these parameters was not required with the exception of the total low level mercury results for the surface water field duplicate pair OL-1471-02/-03 based upon a high field duplicate precision (60%RPD). These results were considered estimated and qualified "J".

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The data for these parameters presented by BRL were 100% complete (i.e., usable). The validated laboratory data for the split samples are tabulated and presented in Attachment A-4. This table presents round robin precision between the Book 1 surface water, zooplankton, and sediment trap results analyzed by TAL and the associated split sample results analyzed by BRL. Overall, the precision results indicate good comparability.

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR SURFACE WATER AND WATER COLUMN SAMPLES

			Field Sample ID	OL-1407-06		OL-1407-07		OL-1407-08		OL-1409-06		OL-1409-07		OL-1409-08		OL-1412-06		OL-1412-07	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	6.6-6.6 Ft		39.6-39.6 Ft		56.1-56.1 Ft		6.6-6.6 Ft		39.6-39.6 Ft		56.1-56.1 Ft		6.6-6.6 FT		39.6-39.6 FT	
			Sample Date	5/23/2011		5/23/2011		5/23/2011		5/23/2011		5/23/2011		5/23/2011		6/6/2011		6/6/2011	
			SDG	UFICHM2011-013		UFICHM2011-013		UFICHM2011-013		240-394-1		240-394-1		240-394-1		UFICHM2011-015		UFICHM2011-015	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N							0.000079		0.000036	J	0.000044	J				
E1631	MERCURY	ug/L	N							0.0011	J	0.00096	J	0.0011	J				
E1631	MERCURY	ug/L	Y							0.00034	J								
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.019		0.017		0.017								0.021		0.017	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.022	J	0.193		0.309								0.016	J	0.217	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.668		1.839		1.811								1.668		1.625	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1412-08		OL-1414-06		OL-1414-07		OL-1414-08		OL-1421-06		OL-1421-07		OL-1421-08		OL-1423-06	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	56.1-56.1 FT		6.6-6.6 FT		39.6-39.6 FT		56.1-56.1 FT		6.6-6.6 FT		39.6-39.6 FT		56.1-56.1 FT		6.6-6.6 FT	
			Sample Date	6/6/2011		6/6/2011		6/6/2011		6/6/2011		6/20/2011		6/20/2011		6/20/2011		6/20/2011	
			SDG	UFICHM2011-015		240-912-1		240-912-1		240-912-1		UFICHM2011-022		UFICHM2011-022		UFICHM2011-022		240-1292-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			0.00011		0.00004	J	0.000033	J							0.00011	
E1631	MERCURY	ug/L	N			0.00087		0.0022		0.0019								0.00069	
E1631	MERCURY	ug/L	Y			0.00097	U											0.0005	U
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.02								0.028		0.03		0.033			
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.36								0.04	U	0.293		0.486			
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.517								1.479		1.255		1.136			
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1423-07		OL-1423-08		OL-1426-12		OL-1426-13		OL-1426-14		OL-1426-15		OL-1426-16		OL-1426-17	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	39.6-39.6 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT	
			Sample Date	6/20/2011		6/20/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011	
			SDG	240-1292-1		240-1292-1		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000047	J	0.000053													
E1631	MERCURY	ug/L	N	0.00079		0.00065													
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N					130.1		126.9		125.9		125.7		123.8		122.7	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N											5	UJ	5	UJ	5	UJ
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N					0.031		0.045		0.053		0.051		0.048		0.051	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.033	J	0.258		0.316		0.397		0.541		0.553	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.731		1.453		1.468		1.47		1.303		1.251	
UFI SOP	SULFIDE	mg/L	N											0.056	U	0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1428-09		OL-1428-10		OL-1428-11		OL-1428-12		OL-1428-13		OL-1428-14		OL-1433-15		OL-1433-16	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011		7/5/2011		7/5/2011	
			SDG	240-1516-1		240-1516-1		240-1516-1		240-1516-1		240-1516-1		240-1516-1		UFICHM2011-026		UFICHM2011-026	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000087		0.000028	J	0.000036	J	0.000045	J	0.000051		0.000043	J				
E1631	MERCURY	ug/L	N	0.00079		0.00094		0.00098		0.00081		0.00078		0.00088					
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N													134.2		126.2	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N													0.028		0.12	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N													0.04	UJ	0.184	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N													1.763		1.517	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1433-17		OL-1433-18		OL-1433-19		OL-1433-20		OL-1435-09		OL-1435-10		OL-1435-11		OL-1435-12	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011	
			SDG	UFICHM2011-026		UFICHM2011-026		UFICHM2011-026		UFICHM2011-026		240-1706-1		240-1706-1		240-1706-1		240-1706-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N									0.000058	J	0.00003	J	0.000033	J	0.000071	J
E1631	MERCURY	ug/L	N									0.0012		0.0014		0.0014		0.0012	
E1631	MERCURY	ug/L	Y									0.00035	J						
UFI SOP	CALCIUM	mg/L	N	124.2		123.2		123.9		123									
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N	10	U	10	U	10	U	10	U								
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.094		0.078		0.081		0.072									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.248	J	0.345	J	0.413		0.51									
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.424		1.29		1.222		1.163									
UFI SOP	SULFIDE	mg/L	N	0.056	UJ	0.056	UJ	0.056	UJ	0.056	UJ								
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1435-13		OL-1435-14		OL-1437-12		OL-1437-13		OL-1437-14		OL-1437-15		OL-1437-16		OL-1437-17	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 Ft		33-33 Ft		39.6-39.6 Ft		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT	
			Sample Date	7/5/2011		7/5/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011	
			SDG	240-1706-1		240-1706-1		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027	
			Matrix	Water		Water		WATER		WATER		WATER		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000081	J	0.000086	J												
E1631	MERCURY	ug/L	N	0.001		0.00094													
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N					134.7		127.4		123.5		121.6		123		125.1	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N											5	U	5	U	5	U
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N					0.03		0.159		0.114		0.097		0.085		0.093	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.038	J	0.125		0.155		0.311		0.515		0.549	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.864		1.627		1.575		1.485		1.51		1.739	
UFI SOP	SULFIDE	mg/L	N											0.056	U	0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1439-09		OL-1439-10		OL-1439-11		OL-1439-12		OL-1439-13		OL-1439-14		OL-1444-12		OL-1444-13	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/18/2011		7/18/2011	
			SDG	240-1847-1		240-1847-1		240-1847-1		240-1847-1		240-1847-1		240-1847-1		UFICHM2011-030		UFICHM2011-030	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000097		0.00004	J	0.000037	J	0.000049	J	0.000071		0.000056					
E1631	MERCURY	ug/L	N	0.0013		0.00078		0.00073		0.00079		0.0017		0.00093					
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N													131.9		127.7	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N													0.035		0.197	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N													0.04	U	0.133	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N													1.832		1.505	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1444-14		OL-1444-15		OL-1444-16		OL-1444-17		OL-1446-09		OL-1446-10		OL-1446-11		OL-1446-12	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011	
			SDG	UFICHM2011-030		UFICHM2011-030		UFICHM2011-030		UFICHM2011-030		240-2041-1		240-2041-1		240-2041-1		240-2041-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N									0.000068	J	0.00004	J	0.000031	J	0.000057	J
E1631	MERCURY	ug/L	N									0.0017		0.00053		0.00063		0.0006	
E1631	MERCURY	ug/L	Y									0.00038	J						
UFI SOP	CALCIUM	mg/L	N	124.6		122.4		121.8		123.3									
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N			10	U	4	J	10	U								
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.125		0.088		0.085		0.091									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.168		0.412		0.504	J	0.545									
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.454		1.347		1.447		1.367									
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U	0.056	U								
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1446-13		OL-1446-14		OL-1449-12		OL-1449-13		OL-1449-14		OL-1449-15		OL-1449-16		OL-1449-17	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT	
			Sample Date	7/18/2011		7/18/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011	
			SDG	240-2041-1		240-2041-1		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.00007	J	0.000054	J												
E1631	MERCURY	ug/L	N	0.00048	J	0.00052													
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N					126.7		128.1		123.2		120		120.3		120.3	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N											3	J	4	J	3	J
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N					0.034		0.154		0.122		0.101		0.071		0.065	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.029	J	0.175		0.175		0.219		0.388		0.658	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.77		1.132		1.249		1.258		1.185		1.359	
UFI SOP	SULFIDE	mg/L	N											0.056	U	0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1451-09		OL-1451-10		OL-1451-11		OL-1451-12		OL-1451-13		OL-1451-14		OL-1457-12		OL-1457-13	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		8/1/2011		8/1/2011	
			SDG	240-2265-1		240-2265-1		240-2265-1		240-2265-1		240-2265-1		240-2265-1		UFICHM2011-037		UFICHM2011-037	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.00007	J	0.000052	J	0.000052	J	0.000067	J	0.0001	J	0.00007	J				
E1631	MERCURY	ug/L	N	0.00053	J	0.0005	UJ	0.0005	UJ	0.0005	UJ	0.0005	UJ	0.0005	UJ				
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N													119.8		121.2	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N													0.046		0.122	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N													0.042		0.226	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N													1.554		1.101	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1457-14		OL-1457-15		OL-1457-16		OL-1457-17		OL-1459-09		OL-1459-10		OL-1459-11		OL-1459-12	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011	
			SDG	UFICHM2011-037		UFICHM2011-037		UFICHM2011-037		UFICHM2011-037		240-2405-1		240-2405-1		240-2405-1		240-2405-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N									0.00011		0.000083		0.000072		0.000099	
E1631	MERCURY	ug/L	N									0.00012	U	0.00012	U	0.00012	U	0.00012	U
E1631	MERCURY	ug/L	Y									0.00012	U						
UFI SOP	CALCIUM	mg/L	N	120.3		118.7		120.7		121.2									
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N			3	J	7	J	5	J								
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.104		0.096		0.079		0.073									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.299	J	0.378	J	0.619		0.683									
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.081		1.083		1.336		1.537									
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U	0.056	U								
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1459-13		OL-1459-14		OL-1461-12		OL-1461-13		OL-1461-14		OL-1461-15		OL-1461-16		OL-1461-17	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT	
			Sample Date	8/1/2011		8/1/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011	
			SDG	240-2405-1		240-2405-1		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.0001		0.00015													
E1631	MERCURY	ug/L	N	0.00012	U	0.00012	U												
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N					130.8		124.9		122.2		124.4		123.1		123.8	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N											5	U	5	U	6	J
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N					0.053		0.076		0.1		0.099		0.085		0.072	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.01	U	0.215		0.305		0.478		0.684		0.782	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.828		1.015		1.003		1.255		1.387		1.242	
UFI SOP	SULFIDE	mg/L	N											0.056	U	0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1463-09		OL-1463-10		OL-1463-11		OL-1463-12		OL-1463-13		OL-1463-14		OL-1467-12		OL-1467-13	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/15/2011		8/15/2011	
			SDG	240-2655-1		240-2655-1		240-2655-1		240-2655-1		240-2655-1		240-2655-1		UFICHM2011-041		UFICHM2011-041	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000094		0.000079		0.000086		0.0001		0.00015		0.00025					
E1631	MERCURY	ug/L	N	0.00051		0.00061		0.0005	U	0.00057		0.0005		0.0005	U				
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N													131.7		126.4	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N													0.052		0.08	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N													0.032	J	0.332	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N													1.716		0.96	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1467-14		OL-1467-15		OL-1467-16		OL-1467-17		OL-1469-09		OL-1469-10		OL-1469-11		OL-1469-12	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011	
			SDG	UFICHM2011-041		UFICHM2011-041		UFICHM2011-041		UFICHM2011-041		240-2881-1		240-2881-1		240-2881-1		240-2881-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N									0.000095		0.000074		0.000091		0.00013	
E1631	MERCURY	ug/L	N									0.00061		0.00046	J	0.00047	J	0.00066	
E1631	MERCURY	ug/L	Y									0.00064							
UFI SOP	CALCIUM	mg/L	N	123.8		124.6		124.4		127.5									
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N			10	U	10	U	5	J								
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.089		0.09		0.077		0.075									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.498		0.666		0.879		0.997									
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.963		1.089		1.139		1.077									
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U	0.056	U								
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1469-13		OL-1469-14		OL-1475-12		OL-1475-13		OL-1475-14		OL-1475-15		OL-1475-16	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT	
			Sample Date	8/15/2011		8/15/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011	
			SDG	240-2881-1		240-2881-1		UFICHM2011-043		UFICHM2011-043		UFICHM2011-043		UFICHM2011-043		UFICHM2011-043	
			Matrix	Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00017		0.0002											
E1631	MERCURY	ug/L	N	0.00063		0.00063											
E1631	MERCURY	ug/L	Y														
UFI SOP	CALCIUM	mg/L	N					134.3		133.3		125.6		127.8		127.8	
UFI SOP	CHLORIDE	mg/L	N														
UFI SOP	CHLOROPHYLL-A	ug/L	N														
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y														
UFI SOP	FERROUS IRON (II)	ug/l	N											3	J	5	J
UFI SOP	METHANE	ug/L	N														
UFI SOP	NITRITE	mg/l	N					0.051		0.008	J	0.059		0.081		0.08	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.039	J	0.318	J	0.417	J	0.633	J	0.871	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.669	J	0.87	J	0.921	J	1.643	J	1.557	J
UFI SOP	SULFIDE	mg/L	N											0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N														
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N														
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N														
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N														
UFI SOP	Total Suspended Solids	mg/l	N														

			Field Sample ID	OL-1475-17		OL-1477-09		OL-1477-10		OL-1477-11		OL-1477-12		OL-1477-13		OL-1477-14		OL-1481-12	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT	
			Sample Date	8/22/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011		8/29/2011	
			SDG	UFICHM2011-043		240-3088-1		240-3088-1		240-3088-1		240-3088-1		240-3088-1		240-3088-1		UFICHM2011-047	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			0.0002	J	0.00011		0.000099		0.00015		0.00024		0.00026			
E1631	MERCURY	ug/L	N			0.00052	J	0.00092	J	0.00055	J	0.00046	J	0.00068	J	0.00081	J		
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N	129.7														135.3	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N	5	U														
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.085														0.046	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.801	J													0.08	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.57	J													1.593	
UFI SOP	SULFIDE	mg/L	N	0.056	U														
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1481-13		OL-1481-14		OL-1481-15		OL-1481-16		OL-1481-17		OL-1483-09		OL-1483-10		OL-1483-11	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT	
			Sample Date	8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			SDG	UFICHM2011-047		UFICHM2011-047		UFICHM2011-047		UFICHM2011-047		UFICHM2011-047		240-3323-1		240-3323-1		240-3323-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N											0.00011		0.000067	J	0.000092	J
E1631	MERCURY	ug/L	N											0.0015		0.0013		0.0016	
E1631	MERCURY	ug/L	Y											0.00061					
UFI SOP	CALCIUM	mg/L	N	131.4		129.5		127.1		154.8		129.5							
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N					10	U	10	U	10	U						
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.004	J	0.029		0.07		0.07		0.076							
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.359		0.587		0.988		1.02		1.043							
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.873		0.946		1.491		1.572		1.586							
UFI SOP	SULFIDE	mg/L	N					0.056	U	0.056	U	0.056	U						
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1483-12		OL-1483-13		OL-1483-14		OL-1488-12		OL-1488-13		OL-1488-14		OL-1488-15		OL-1488-16	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT	
			Sample Date	8/29/2011		8/29/2011		8/29/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011	
			SDG	240-3323-1		240-3323-1		240-3323-1		UFICHM2011-049		UFICHM2011-049		UFICHM2011-049		UFICHM2011-049		UFICHM2011-049	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.00017	J	0.00017	J	0.00019											
E1631	MERCURY	ug/L	N	0.0017		0.0018		0.0019											
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N							140.8		155.8		138.9		128.5		129.5	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N													10	U	10	U
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N							0.046		0.009		0.004		0.057		0.06	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N							0.06		0.345		0.558		0.887		1.043	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N							1.745		0.975		0.939		1.301		1.469	
UFI SOP	SULFIDE	mg/L	N													0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1488-17		OL-1490-09		OL-1490-10		OL-1490-11		OL-1490-12		OL-1490-13		OL-1490-14		OL-1601-12	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT	
			Sample Date	9/6/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011		9/12/2011	
			SDG	UFICHM2011-049		240-3546-1		240-3546-1		240-3546-1		240-3546-1		240-3546-1		240-3546-1		UFICHM2011-052	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			0.0003	U	0.0003	U	0.0003	U	0.0003	U	0.00031		0.0003			
E1631	MERCURY	ug/L	N			0.00093		0.00067		0.00051		0.00079		0.00089		0.00082			
E1631	MERCURY	ug/L	Y			0.00045	J												
UFI SOP	CALCIUM	mg/L	N	129														134.1	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N	3	J														
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.071														0.045	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	1.102														0.023	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.8														1.757	J
UFI SOP	SULFIDE	mg/L	N	0.056	U														
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1601-13		OL-1601-14		OL-1601-15		OL-1601-16		OL-1601-17		OL-1603-09		OL-1603-10		OL-1603-11	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT	
			Sample Date	9/12/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011	
			SDG	UFICHM2011-052		UFICHM2011-052		UFICHM2011-052		UFICHM2011-052		UFICHM2011-052		240-3757-1		240-3757-1		240-3757-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N											0.000032	J	0.000029	J	0.000076	J
E1631	MERCURY	ug/L	N											0.0012		0.00078		0.00089	
E1631	MERCURY	ug/L	Y											0.00037	J				
UFI SOP	CALCIUM	mg/L	N	138.9		129.7		130.2		136.5		131.7							
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N					10	U	10	U	10	U						
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.016		0.011	J	0.032		0.052		0.064							
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.354		0.643		0.727		0.925		1.149							
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.001	J	0.931	J	1.144	J	1.534	J	2.223	J						
UFI SOP	SULFIDE	mg/L	N					0.056	U	0.056	U	0.056	U						
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1603-12		OL-1603-13		OL-1603-14		OL-1605-12		OL-1605-13		OL-1605-14		OL-1605-15		OL-1605-16	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT	
			Sample Date	9/12/2011		9/12/2011		9/12/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011	
			SDG	240-3757-1		240-3757-1		240-3757-1		UFICHM2011-057		UFICHM2011-057		UFICHM2011-057		UFICHM2011-057		UFICHM2011-057	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.00012	J	0.00013	J	0.00016	J										
E1631	MERCURY	ug/L	N	0.00099		0.001		0.0013											
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N							128.4		145.9		125.1		125.7		124.2	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N													10	U	4	J
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N							0.044		0.03		0.015	U	0.011	J	0.04	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N							0.065		0.26		0.595		0.743		1.091	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N							1.66		1.097		0.897		1.019		1.918	
UFI SOP	SULFIDE	mg/L	N													0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1605-17		OL-1607-09		OL-1607-10		OL-1607-11		OL-1607-12		OL-1607-13		OL-1607-14		OL-1614-12	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT	
			Sample Date	9/19/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011		9/26/2011	
			SDG	UFICHM2011-057		240-4004-1		240-4004-1		240-4004-1		240-4004-1		240-4004-1		240-4004-1		UFICHM2011-060	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			0.000058	J	0.000041	J	0.000074	J	0.000077	J	0.00012	J	0.000086	J		
E1631	MERCURY	ug/L	N			0.0013		0.0013		0.001		0.0008		0.00086		0.00085			
E1631	MERCURY	ug/L	Y			0.00081													
UFI SOP	CALCIUM	mg/L	N	124.9														126.9	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N	10	U														
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.046														0.04	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	1.141														0.016	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	2.009														1.645	
UFI SOP	SULFIDE	mg/L	N	0.056	U														
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1614-13		OL-1614-14		OL-1614-15		OL-1614-16		OL-1614-17		OL-1616-09		OL-1616-10		OL-1616-11	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT	
			Sample Date	9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011	
			SDG	UFICHM2011-060		UFICHM2011-060		UFICHM2011-060		UFICHM2011-060		UFICHM2011-060		240-4233-1		240-4233-1		240-4233-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N											0.00028	J	0.00018	J	0.000093	J
E1631	MERCURY	ug/L	N											0.00062		0.0012		0.0011	
E1631	MERCURY	ug/L	Y											0.00024	J				
UFI SOP	CALCIUM	mg/L	N	134.2		127.8		128.3		129		129.2							
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N					3	J	10	U	10	U						
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.031		0.005	J	0.024		0.031		0.038							
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.373		0.68		1.492		1.308		1.374							
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.143		1.01		1.869		2.198		2.61							
UFI SOP	SULFIDE	mg/L	N					0.056	U	0.056	U	0.056	U						
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1616-12		OL-1616-13		OL-1616-14		OL-1621-12		OL-1621-13		OL-1621-14		OL-1621-15		OL-1621-16	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT	
			Sample Date	9/26/2011		9/26/2011		9/26/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011	
			SDG	240-4233-1		240-4233-1		240-4233-1		UFICHM2011-061		UFICHM2011-061		UFICHM2011-061		UFICHM2011-061		UFICHM2011-061	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.00015	J	0.0002	J	0.00032	J										
E1631	MERCURY	ug/L	N	0.0011		0.00099		0.001											
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N							132.3		134.4		131.3		127.3		126.4	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N													10	U	10	U
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N							0.047		0.068		0.013	J	0.01	J	0.016	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N							0.109		0.266		0.537		0.961		1.171	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N							1.689		1.446		0.821		1.324		1.722	
UFI SOP	SULFIDE	mg/L	N													0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1621-17		OL-1623-09		OL-1623-10		OL-1623-11		OL-1623-12		OL-1623-13		OL-1623-14		OL-1628-12	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	56.1-56.1 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		56.1-56.1 FT		6.6-6.6 ft	
			Sample Date	10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/10/2011	
			SDG	UFICHM2011-061		240-4464-1		240-4464-1		240-4464-1		240-4464-1		240-4464-1		240-4464-1		UFICHM2011-063	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			0.000092	J	0.000062	J	0.000067	J	0.000095	J	0.00011	J	0.00011	J		
E1631	MERCURY	ug/L	N			0.00064	J	0.00064	J	0.00054	J	0.0006	J	0.00061	J	0.00061	J		
E1631	MERCURY	ug/L	Y			0.00026	J												
UFI SOP	CALCIUM	mg/L	N	128.3														126.5	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N	4	J														
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.02														0.045	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	1.315														0.04	UJ
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	2.137														1.777	
UFI SOP	SULFIDE	mg/L	N	0.056	U														
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1628-13		OL-1628-14		OL-1628-15		OL-1628-16		OL-1628-17		OL-1630-09		OL-1630-10		OL-1630-11	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	33-33 ft		39.6-39.6 ft		46.2-46.2 ft		52.8-52.8 ft		56.1-56.1 ft		6.6-6.6 ft		33-33 ft		39.6-39.6 ft	
			Sample Date	10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011	
			SDG	UFICHM2011-063		UFICHM2011-063		UFICHM2011-063		UFICHM2011-063		UFICHM2011-063		240-4727-1		240-4727-1		240-4727-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N											0.000093		0.000017	J	0.000069	
E1631	MERCURY	ug/L	N											0.00047	J	0.00045	J	0.00034	J
E1631	MERCURY	ug/L	Y											0.00017	J				
UFI SOP	CALCIUM	mg/L	N	129.3		127.9		124.9		125.5		125.9							
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N					3	J	10	U	10	U						
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.064		0.029		0.008	J	0.01	J	0.011	J						
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.273	J	0.627	J	1.023	J	1.223	J	1.262	J						
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.397		1.123		1.462		1.754		2.005							
UFI SOP	SULFIDE	mg/L	N					0.056	U	0.056	U	0.056	U						
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1630-12		OL-1630-13		OL-1630-14		OL-1634-12		OL-1634-13		OL-1634-14		OL-1634-15		OL-1634-16	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	46.2-46.2 ft		52.8-52.8 ft		56.1-56.1 ft		6.6-6.6 ft		33-33 ft		39.6-39.6 ft		46.2-46.2 ft		52.8-52.8 ft	
			Sample Date	10/10/2011		10/10/2011		10/10/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011	
			SDG	240-4727-1		240-4727-1		240-4727-1		UFICHM2011-066		UFICHM2011-066		UFICHM2011-066		UFICHM2011-066		UFICHM2011-066	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000045	J	0.000056		0.000043	J										
E1631	MERCURY	ug/L	N	0.00044	J	0.00045	J	0.00042	J										
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N							130.5		133.5		126.1		125.9		126.7	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N													10	J	10	U
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N							0.061		0.045		0.017		0.007	J	0.008	J
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N							0.118		0.149		0.644		0.942		1.111	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N							1.761		1.456		1.278		1.441		1.859	
UFI SOP	SULFIDE	mg/L	N													0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1634-17		OL-1636-09		OL-1636-10		OL-1636-11		OL-1636-12		OL-1636-13		OL-1636-14		OL-1641-12	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	56.1-56.1 ft		6.6-6.6 ft		33-33 ft		39.6-39.6 ft		46.2-46.2 ft		52.8-52.8 ft		56.1-56.1 ft		6.6-6.6 ft	
			Sample Date	10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/24/2011	
			SDG	UFICHM2011-066		240-4950-1		240-4950-1		240-4950-1		240-4950-1		240-4950-1		240-4950-1		UFICHM2011-069	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			0.000085		0.000077		0.000034	J	0.000038	J	0.000048	J	0.000066			
E1631	MERCURY	ug/L	N			0.00075		0.00083		0.00065		0.00064		0.00051		0.00065			
E1631	MERCURY	ug/L	Y			0.00028	J												
UFI SOP	CALCIUM	mg/L	N	127.3														136.5	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N	3	J														
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.007	J													0.041	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	1.216														0.149	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	2.078														1.625	
UFI SOP	SULFIDE	mg/L	N	0.056	U														
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1641-13		OL-1641-14		OL-1641-15		OL-1641-16		OL-1641-17		OL-1643-09		OL-1643-10		OL-1643-11	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	33-33 ft		39.6-39.6 ft		46.2-46.2 ft		52.8-52.8 ft		56.1-56.1 ft		6.6-6.6 ft		33-33 ft		39.6-39.6 ft	
			Sample Date	10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011	
			SDG	UFICHM2011-069		UFICHM2011-069		UFICHM2011-069		UFICHM2011-069		UFICHM2011-069		240-5210-1		240-5210-1		240-5210-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N											0.000068	J	0.000058	J	0.000068	J
E1631	MERCURY	ug/L	N											0.00055		0.00053		0.00046	J
E1631	MERCURY	ug/L	Y											0.00021	J				
UFI SOP	CALCIUM	mg/L	N	135.3		136.2		133.8		136.2		132.4							
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N					10	U	4	J	7	J						
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.041		0.039		0.015	U	0.015	U	0.015	U						
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.157		0.161		0.806		1.051		1.261							
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.647		1.811		1.241		1.529		1.54							
UFI SOP	SULFIDE	mg/L	N					0.056	U	0.056	U	0.056	U						
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1643-12		OL-1643-13		OL-1643-14		OL-1646-10		OL-1646-11		OL-1646-12		OL-1646-13		OL-1648-07	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	46.2-46.2 ft		52.8-52.8 ft		56.1-56.1 ft		6.6-6.6 ft		39.6-39.6 ft		52.8-52.8 ft		56.1-56.1 ft		6.6-6.6 ft	
			Sample Date	10/24/2011		10/24/2011		10/24/2011		10/31/2011		10/31/2011		10/31/2011		10/31/2011		10/31/2011	
			SDG	240-5210-1		240-5210-1		240-5210-1		UFICHM2011-070		UFICHM2011-070		UFICHM2011-070		UFICHM2011-070		240-5421-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000034	J	0.00003	J	0.000026	J									0.000033	J
E1631	MERCURY	ug/L	N	0.00055		0.00043	J	0.00046	J									0.00055	
E1631	MERCURY	ug/L	Y															0.00012	UJ
UFI SOP	CALCIUM	mg/L	N							136		135.3		134.4		133.5			
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N											10	U	13			
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N							0.039		0.039		0.013	J	0.014	J		
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N							0.263	J	0.27	J	1.158		0.974			
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N							1.548		1.549		1.449		1.426			
UFI SOP	SULFIDE	mg/L	N											0.056	U	0.056	U		
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1648-08	
			Location	DEEP_N	
			Sample Depth	39.6-39.6 ft	
			Sample Date	10/31/2011	
			SDG	240-5421-1	
			Matrix	Water	
			Sample Purpose	Regular sample	
			Sample Type	Surface water	
Method	Parameter Name	Units	Filtered		
E1630	METHYL MERCURY	ug/L	N	0.000034	J
E1631	MERCURY	ug/L	N	0.00047	J
E1631	MERCURY	ug/L	Y		
UFI SOP	CALCIUM	mg/L	N		
UFI SOP	CHLORIDE	mg/L	N		
UFI SOP	CHLOROPHYLL-A	ug/L	N		
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y		
UFI SOP	FERROUS IRON (II)	ug/l	N		
UFI SOP	METHANE	ug/L	N		
UFI SOP	NITRITE	mg/l	N		
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N		
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N		
UFI SOP	SULFIDE	mg/L	N		
UFI SOP	TOTAL CARBON	mg/l	N		
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N		
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N		
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N		
UFI SOP	Total Suspended Solids	mg/l	N		

			Field Sample ID	OL-1648-09		OL-1648-10		OL-1653-06		OL-1653-07		OL-1653-08		OL-1655-06		OL-1655-07		OL-1655-08	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N	
			Sample Depth	52.8-52.8 ft		56.1-56.1 ft		6.6-6.6 ft		39.6-39.6 ft		56.1-56.1 ft		6.6-6.6 ft		39.6-39.6 ft		56.1-56.1 ft	
			Sample Date	10/31/2011		10/31/2011		11/7/2011		11/7/2011		11/7/2011		11/7/2011		11/7/2011		11/7/2011	
			SDG	240-5421-1		240-5421-1		UFICHM2011-074		UFICHM2011-074		UFICHM2011-074		240-5675-1		240-5675-1		240-5675-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	2.80E-05	J	2.10E-05	J							4.50E-05	J	5.10E-05	J	4.30E-05	J
E1631	MERCURY	ug/L	N	0.00047	J	0.00049	J							0.00073		0.00065		0.00083	
E1631	MERCURY	ug/L	Y											0.00052					
UFI SOP	CALCIUM	mg/l	N					136		134		151.6							
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N					0.043		0.043		0.036							
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.274		0.301		0.425							
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.829		1.801		1.396							
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1661-06		OL-1661-07		OL-1661-08		OL-1663-06		OL-1663-07		OL-1663-08		OL-1407-01		OL-1407-02	
			Location	DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_N		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		39.6-39.6 FT		56.1-56.1 FT		6.6-6.6 ft		39.6-39.6 ft		56.1-56.1 ft		6.6-6.6 FT		6.6-6.6 FT	
			Sample Date	11/21/2011		11/21/2011		11/21/2011		11/21/2011		11/21/2011		11/21/2011		5/23/2011		5/23/2011	
			SDG	UFICHM2011-077		UFICHM2011-077		UFICHM2011-077		240-6181-1		240-6181-1		240-6181-1		UFICHM2011-013		UFICHM2011-013	
			Matrix	WATER		WATER		WATER		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	Seco
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N							5.90E-05		4.50E-05	J	5.20E-05					
E1631	MERCURY	ug/L	N							0.0011		0.00051		0.00054					
E1631	MERCURY	ug/L	Y							0.00049	J								
UFI SOP	CALCIUM	mg/l	N	132.9		133.5		134.2											
UFI SOP	CHLORIDE	mg/L	N													281.9		281.9	
UFI SOP	CHLOROPHYLL-A	ug/L	N													16.7		17	
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y													3.7		4.3	
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.057		0.057		0.057								0.019		0.021	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.315		0.354		0.342								0.028	J	0.029	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.862		1.905		1.927								1.844		1.825	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N													46.8		48.4	
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1407-03		OL-1407-04		OL-1407-05		OL-1409-02		OL-1409-03		OL-1409-04		OL-1409-05		OL-1412-01	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		39.6-39.6 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT		59.4-59.4 FT		6.6-6.6 FT	
			Sample Date	5/23/2011		5/23/2011		5/23/2011		5/23/2011		5/23/2011		5/23/2011		5/23/2011		6/6/2011	
			SDG	UFICHM2011-013		UFICHM2011-013		UFICHM2011-013		240-394-1		240-394-1		240-394-1		240-394-1		UFICHM2011-015	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	ɔnd field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N							8.10E-05		7.40E-05		4.90E-05	J	3.40E-05	J		
E1631	MERCURY	ug/L	N							0.0017	J	0.0017	J	0.001	J	0.001	J		
E1631	MERCURY	ug/L	Y							0.00057		0.00046	J						
UFI SOP	CALCIUM	mg/l	N																
UFI SOP	CHLORIDE	mg/L	N	281.9		292		322.2										305.9	
UFI SOP	CHLOROPHYLL-A	ug/L	N	16.6		5.4												10.5	
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3.3		3.1		2.9										3.2	
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.019		0.017		0.018										0.023	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.026	J	0.183		0.366										0.04	U
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.881		1.773		1.834										1.725	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	48.5		47.3		48.9										43.4	
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1412-02		OL-1412-03		OL-1412-04		OL-1412-05		OL-1414-02		OL-1414-03		OL-1414-04		OL-1414-05	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT		59.4-59.4 FT	
			Sample Date	6/6/2011		6/6/2011		6/6/2011		6/6/2011		6/6/2011		6/6/2011		6/6/2011		6/6/2011	
			SDG	UFICHM2011-015		UFICHM2011-015		UFICHM2011-015		UFICHM2011-015		240-912-1		240-912-1		240-912-1		240-912-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Field duplicate		Second field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N									1.30E-04		1.30E-04		4.10E-05	J	3.00E-05	J
E1631	MERCURY	ug/L	N									0.0023		0.0013		0.0027		0.0011	
E1631	MERCURY	ug/L	Y									0.00091	U	0.0011	U				
UFI SOP	CALCIUM	mg/l	N																
UFI SOP	CHLORIDE	mg/L	N	305.9		305.9		286.2		305.9									
UFI SOP	CHLOROPHYLL-A	ug/L	N	11.3		11.7		8.9											
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3.3		3.3		3.1		3									
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.023		0.023		0.018		0.018									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.04	U	0.04	U	0.229		0.369									
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.691		1.704		1.622		1.552									
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	43.5		42.9		48.1		49.6									
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1421-01		OL-1421-02		OL-1421-03		OL-1421-04		OL-1421-05		OL-1421-09		OL-1421-10		OL-1421-11	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft	
			Sample Date	6/20/2011		6/20/2011		6/20/2011		6/20/2011		6/20/2011		6/20/2011		6/20/2011		6/20/2011	
			SDG	UFICHM2011-022		UFICHM2011-022		UFICHM2011-022		UFICHM2011-022		UFICHM2011-022		UFICHM2011-022		UFICHM2011-022		UFICHM2011-022	
			Matrix	Water		Water		Water		Water		Water		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Field duplicate		Second field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N																
E1631	MERCURY	ug/L	N																
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/l	N																
UFI SOP	CHLORIDE	mg/L	N	335.6		335.6		325.7		305.9		305.9							
UFI SOP	CHLOROPHYLL-A	ug/L	N	9.4		9.2		7.3		4.3									
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3.4		3.4		3.4		3.3		3							
UFI SOP	FERROUS IRON (II)	ug/l	N											5	U	5	U	5	U
UFI SOP	METHANE	ug/L	N											500	U	500	U	500	U
UFI SOP	NITRITE	mg/l	N	0.028		0.029		0.028		0.029		0.028							
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.04	U	0.04	U	0.04	U	0.271		0.649							
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.507		1.483		1.545		1.369		0.984							
UFI SOP	SULFIDE	mg/L	N											0.056	UJ	0.056	UJ	0.056	UJ
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	39.3		38.7		39.7		47		48.4							
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1423-02		OL-1423-03		OL-1423-04		OL-1423-05		OL-1426-01		OL-1426-02		OL-1426-03		OL-1426-04	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	6/20/2011		6/20/2011		6/20/2011		6/20/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011	
			SDG	240-1292-1		240-1292-1		240-1292-1		240-1292-1		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		econd field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	9.20E-05		1.00E-04		6.20E-05		5.70E-05									
E1631	MERCURY	ug/L	N	0.00095		0.0011		0.00088		0.00095									
E1631	MERCURY	ug/L	Y	0.00069		0.00046	J												
UFI SOP	CALCIUM	mg/l	N									125.9		125.5		125.3		125.5	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N									0.03		0.031		0.03		0.041	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N									0.033	J	0.032	J	0.039	J	0.243	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N									1.83		1.865		1.859		1.636	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1426-05		OL-1426-06		OL-1426-07		OL-1426-08		OL-1426-09		OL-1426-10		OL-1426-11		OL-1428-02	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft		6.6-6.6 FT	
			Sample Date	6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011	
			SDG	UFICHM2011-023		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023		UFICHM2011-023		240-1516-1	
			Matrix	Water		Water		Water		Water		WATER		WATER		WATER		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		econd field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N															8.20E-05	
E1631	MERCURY	ug/L	N															0.0024	
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/l	N	122.7		121.5		126.1		126.7									
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N			3	J	5	UJ			5	UJ	5	UJ	5	UJ		
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.05		0.05		0.054		0.045									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.289		0.347		0.468		0.608									
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.545		1.491		1.392		1.21									
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U			0.056	U	0.056	U	0.056	U		
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1428-03		OL-1428-04		OL-1428-05		OL-1428-06		OL-1428-07		OL-1428-08		OL-1433-01		OL-1433-02	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT	
			Sample Date	6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011		6/27/2011		7/5/2011		7/5/2011	
			SDG	240-1516-1		240-1516-1		240-1516-1		240-1516-1		240-1516-1		240-1516-1		UFICHM2011-026		UFICHM2011-026	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	Seco
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	6.90E-05		4.40E-05	J	3.10E-05	J	4.10E-05	J	4.10E-05	J	7.40E-05					
E1631	MERCURY	ug/L	N	0.0022		0.00087		0.001		0.00098		0.00081		0.0011					
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/l	N													131.9		132.6	
UFI SOP	CHLORIDE	mg/L	N													336.6		336.6	
UFI SOP	CHLOROPHYLL-A	ug/L	N													4.8		6.3	
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y													3.5		3.9	
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N													0.028		0.029	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N													0.04	UJ	0.04	UJ
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N													1.859		1.852	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N													37.9		36.7	
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1433-03		OL-1433-04		OL-1433-05		OL-1433-06		OL-1433-07		OL-1433-08		OL-1433-09		OL-1433-10	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		33-33 FT		39.6-39.6 FT		42.9-42.9 FT		39.6-39.6 FT		49.5-49.5 FT		52.8-52.8 FT		56.1-56.1 FT	
			Sample Date	7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011	
			SDG	UFICHM2011-026		UFICHM2011-026		UFICHM2011-026		UFICHM2011-026		UFICHM2011-026		UFICHM2011-026		UFICHM2011-026		UFICHM2011-026	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	ɔnd field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N																
E1631	MERCURY	ug/L	N																
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/l	N	130.8		129.2		125.1				124.2				125.1			
UFI SOP	CHLORIDE	mg/L	N	336.6				307.8								307.8			
UFI SOP	CHLOROPHYLL-A	ug/L	N	5.8				1											
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	4.1				3.1								3.1			
UFI SOP	FERROUS IRON (II)	ug/l	N					10	U							9	J		
UFI SOP	METHANE	ug/L	N					500	U							500	U		
UFI SOP	NITRITE	mg/l	N	0.028		0.102		0.115				0.073				0.082			
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.04	UJ	0.18	J	0.187	J			0.264	J			0.375	J		
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.872		1.549		1.504				1.398				1.277			
UFI SOP	SULFIDE	mg/L	N					0.056	UJ	0.056	UJ	0.056	UJ	0.056	UJ	0.056	UJ	0.056	UJ
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	38.5				50								52			
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1433-11		OL-1433-12		OL-1433-13		OL-1433-14		OL-1435-02		OL-1435-03	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 FT		59.4-59.4 Ft		3.3-3.3 FT		3.3-3.3 FT	
			Sample Date	7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011	
			SDG	UFICHM2011-026		UFICHM2011-026		UFICHM2011-026		UFICHM2011-026		240-1706-1		240-1706-1	
			Matrix	WATER		WATER		Water		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N									5.10E-05	J	6.20E-05	J
E1631	MERCURY	ug/L	N									0.0019		0.0021	
E1631	MERCURY	ug/L	Y									0.00061		0.00062	
UFI SOP	CALCIUM	mg/l	N	126											
UFI SOP	CHLORIDE	mg/L	N	298.2											
UFI SOP	CHLOROPHYLL-A	ug/L	N												
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	2.9											
UFI SOP	FERROUS IRON (II)	ug/l	N			10	U	8	J	10	U				
UFI SOP	METHANE	ug/L	N			500	U	500	U	500	U				
UFI SOP	NITRITE	mg/l	N	0.077											
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.415	J										
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.229											
UFI SOP	SULFIDE	mg/L	N			0.056	UJ	0.056	UJ	0.056	UJ				
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	52.2											
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/l	N												

			Field Sample ID	OL-1435-04		OL-1435-05		OL-1435-06		OL-1435-07		OL-1435-08		OL-1437-01		OL-1437-02		OL-1437-03	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	33.3-33.3 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Sample Date	7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/5/2011		7/11/2011		7/11/2011		7/11/2011	
			SDG	240-1706-1		240-1706-1		240-1706-1		240-1706-1		240-1706-1		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027	
			Matrix	WATER		WATER		WATER		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	3.20E-05	J	5.00E-05	UJ	3.90E-05	J	5.40E-05	J	6.50E-05	J						
E1631	MERCURY	ug/L	N	0.0016		0.0018		0.0014		0.0013		0.0011							
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N											128.7		130.3		131.5	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N											0.031		0.032		0.033	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N											0.048		0.052		0.05	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N											1.981		1.955		1.975	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1437-04		OL-1437-05		OL-1437-06		OL-1437-07		OL-1437-08		OL-1437-09		OL-1437-10		OL-1437-11	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft	
			Sample Date	7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011	
			SDG	UFICHM2011-027		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027		UFICHM2011-027	
			Matrix	Water		Water		Water		Water		Water		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N																
E1631	MERCURY	ug/L	N																
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N	129		124.4		124.2		124.4		123.2							
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N					6	J	5	U			5	UJ	30	J	13	J
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.164		0.107		0.101		0.096		0.1							
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.112		0.178		0.342		0.359		0.519							
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.603		1.574		1.392		1.38		1.304							
UFI SOP	SULFIDE	mg/L	N					0.056	U	0.056	U			0.056	U	0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1439-02		OL-1439-03		OL-1439-04		OL-1439-05		OL-1439-06		OL-1439-07		OL-1439-08		OL-1444-01	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT	
			Sample Date	7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/11/2011		7/18/2011	
			SDG	240-1847-1		240-1847-1		240-1847-1		240-1847-1		240-1847-1		240-1847-1		240-1847-1		UFICHM2011-030	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	1.10E-04		1.10E-04		5.40E-05		5.20E-05		5.00E-05		5.60E-05		7.40E-05			
E1631	MERCURY	ug/L	N	0.0026		0.0028		0.00078		0.00054		0.00064		0.00064		0.00084			
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N															127.1	
UFI SOP	CHLORIDE	mg/L	N															377.5	
UFI SOP	CHLOROPHYLL-A	ug/L	N															7.7	
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y															3.6	
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N															0.035	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N															0.04	U
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N															1.962	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N															33.2	
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1444-02		OL-1444-03		OL-1444-04		OL-1444-05		OL-1444-06		OL-1444-07		OL-1444-08		OL-1444-09	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft	
			Sample Date	7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011	
			SDG	UFICHM2011-030		UFICHM2011-030		UFICHM2011-030		UFICHM2011-030		UFICHM2011-030		UFICHM2011-030		UFICHM2011-030		UFICHM2011-030	
			Matrix	Water		Water		Water		Water		Water		Water		Water		WATER	
			Sample Purpose	Field duplicate		econd field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N																
E1631	MERCURY	ug/L	N																
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N	126.2		126.4		124.2		123.1		123.8		122.9		129.9			
UFI SOP	CHLORIDE	mg/L	N	358.1		367.8				300				300		309.7			
UFI SOP	CHLOROPHYLL-A	ug/L	N	12.3		11.2				3.1									
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3.5		3.5				2.7				2.8		3.1			
UFI SOP	FERROUS IRON (II)	ug/l	N									3	J	10	U			10	U
UFI SOP	METHANE	ug/L	N					500	U	500	U	500	U	500	U			400	J
UFI SOP	NITRITE	mg/l	N	0.035		0.035		0.122		0.103		0.082		0.086		0.092			
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.04	U	0.04	U	0.166		0.249		0.48		0.645		1.008			
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.921		1.961		1.433		1.426		1.484		1.824		3.682			
UFI SOP	SULFIDE	mg/L	N									0.056	U	0.056	U			0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	32.9		32.8				50.3				52.4		53.1			
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1444-10		OL-1444-11		OL-1446-02		OL-1446-03		OL-1446-04		OL-1446-05		OL-1446-06		OL-1446-07	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT		33.3-33.3 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT	
			Sample Date	7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011		7/18/2011	
			SDG	UFICHM2011-030		UFICHM2011-030		240-2041-1		240-2041-1		240-2041-1		240-2041-1		240-2041-1		240-2041-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		Water	
			Sample Purpose	Field duplicate		econd field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N					4.40E-05	J	9.60E-05	J	3.90E-05	J	3.80E-05	J	5.80E-05	J	7.80E-05	J
E1631	MERCURY	ug/L	N					0.0022		0.0022		0.0009		0.0011		0.0013		0.0012	
E1631	MERCURY	ug/L	Y					0.00056	J	0.00047	J								
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N	7	J	4	J												
UFI SOP	METHANE	ug/L	N	300	J	400	J												
UFI SOP	NITRITE	mg/l	N																
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N																
UFI SOP	SULFIDE	mg/L	N	0.056	U	0.056	U												
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1446-08		OL-1449-01		OL-1449-02		OL-1449-03		OL-1449-04		OL-1449-05		OL-1449-06		OL-1449-07	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT	
			Sample Date	7/18/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011	
			SDG	240-2041-1		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	1.00E-04	J														
E1631	MERCURY	ug/L	N	0.0015															
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N			126.5		126.5		129		128.5		123.7		122.8		121.2	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N													4	J	3	J
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N			0.036		0.035		0.036		0.161		0.1		0.067		0.058	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N			0.037	J	0.036	J	0.03	J	0.151		0.251		0.525		0.595	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N			2.003		2		1.979		1.285		1.249		1.335		1.278	
UFI SOP	SULFIDE	mg/L	N													0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1449-08		OL-1449-09		OL-1449-10		OL-1449-11		OL-1451-02		OL-1451-03		OL-1451-04		OL-1451-05	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT	
			Sample Date	7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011		7/26/2011	
			SDG	UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		240-2265-1		240-2265-1		240-2265-1		240-2265-1	
			Matrix	Water		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N									4.60E-05	J	6.60E-05	J	3.80E-05	J	4.70E-05	J
E1631	MERCURY	ug/L	N									0.0016	J	0.0015	J	0.0005	UJ	0.0005	UJ
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N	127.1															
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N			3	J	3	J	6	J								
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.053															
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	1.191															
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	3.921															
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U	0.056	U								
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1451-06		OL-1451-07		OL-1451-08		OL-1457-01		OL-1457-02		OL-1457-03		OL-1457-04		OL-1457-05	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT	
			Sample Date	7/26/2011		7/26/2011		7/26/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011	
			SDG	240-2265-1		240-2265-1		240-2265-1		UFICHM2011-037		UFICHM2011-037		UFICHM2011-037		UFICHM2011-037		UFICHM2011-037	
			Matrix	WATER		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	9.20E-05	J	7.60E-05	J	1.50E-04	J										
E1631	MERCURY	ug/L	N	0.0005	UJ	0.0005	UJ	0.00065	J										
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N							131.3		127.8		129.4		128.1		121.6	
UFI SOP	CHLORIDE	mg/L	N							396.8		396.8		387.1				319.4	
UFI SOP	CHLOROPHYLL-A	ug/L	N							7.5		7.6		7.5				0.9	
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y							3.5		3.7		3.6				2.7	
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N													500	U	500	U
UFI SOP	NITRITE	mg/l	N							0.046		0.046		0.046		0.147		0.108	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N							0.056		0.053		0.054		0.218		0.333	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N							1.829		1.831		1.805		1.087		1.108	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N							35.1		34.1		34.4				51.9	
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1457-06		OL-1457-07		OL-1457-08		OL-1457-09		OL-1457-10		OL-1457-11		OL-1459-02		OL-1459-03	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT	
			Sample Date	8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011	
			SDG	UFICHM2011-037		UFICHM2011-037		UFICHM2011-037		UFICHM2011-037		UFICHM2011-037		UFICHM2011-037		240-2405-1		240-2405-1	
			Matrix	Water		Water		Water		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N													1.10E-04		1.20E-04	
E1631	MERCURY	ug/L	N													0.00099		0.00069	
E1631	MERCURY	ug/L	Y													0.00061		0.00047	J
UFI SOP	CALCIUM	mg/L	N	120.5		118.7		121.4											
UFI SOP	CHLORIDE	mg/L	N			309.7		300											
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y			2.8		3											
UFI SOP	FERROUS IRON (II)	ug/l	N	10	U	6	J			4	J	4	J	4	J				
UFI SOP	METHANE	ug/L	N	500	U	500	U			500	U	500	U	400	J				
UFI SOP	NITRITE	mg/l	N	0.079		0.079		0.072											
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.623	J	0.594	J	0.749	J										
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.192		1.191		1.895											
UFI SOP	SULFIDE	mg/L	N	0.056	U	0.056	U			0.056	U	0.056	U	0.056	U				
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N			52.1		52.5											
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1459-04		OL-1459-05		OL-1459-06		OL-1459-07		OL-1459-08		OL-1461-01		OL-1461-02		OL-1461-03	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT	
			Sample Date	8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/8/2011		8/8/2011		8/8/2011	
			SDG	240-2405-1		240-2405-1		240-2405-1		240-2405-1		240-2405-1		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038	
			Matrix	WATER		WATER		WATER		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	8.10E-05		8.70E-05		1.20E-04		1.10E-04		1.50E-04							
E1631	MERCURY	ug/L	N	0.00024	J	0.00012	U	0.00012	U	0.00012	U	0.00012	J						
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N											130.6		130.8		129.7	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N											0.053		0.054		0.054	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N											0.015	J	0.014	J	0.016	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N											1.904		1.89		1.906	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1461-04		OL-1461-05		OL-1461-06		OL-1461-07		OL-1461-08		OL-1461-09		OL-1461-10		OL-1461-11	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft	
			Sample Date	8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011	
			SDG	UFICHM2011-038		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038		UFICHM2011-038	
			Matrix	Water		Water		Water		Water		Water		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N																
E1631	MERCURY	ug/L	N																
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N	128.4		125.3		122.4		124.2		126							
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N					4	J	5	U			6	J	5	U	3	J
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.094		0.112		0.099		0.086		0.074							
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.236		0.374		0.564		0.678		1.113							
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.045		1.116		1.276		1.517		3.522							
UFI SOP	SULFIDE	mg/L	N					0.056	U	0.056	U			0.056	U	0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1463-02		OL-1463-03		OL-1463-04		OL-1463-05		OL-1463-06		OL-1463-07		OL-1463-08		OL-1467-01	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT	
			Sample Date	8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/8/2011		8/15/2011	
			SDG	240-2655-1		240-2655-1		240-2655-1		240-2655-1		240-2655-1		240-2655-1		240-2655-1		UFICHM2011-041	
			Matrix	WATER		WATER		WATER		WATER		WATER		Water		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	9.70E-05		9.50E-05		7.90E-05		8.90E-05		1.10E-04		1.50E-04		2.20E-04			
E1631	MERCURY	ug/L	N	0.00085		0.0011		0.0011		0.00072		0.00065		0.00066		0.00057			
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N															128.8	
UFI SOP	CHLORIDE	mg/L	N															377.5	
UFI SOP	CHLOROPHYLL-A	ug/L	N															8.9	
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y															3.4	J
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N															0.055	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N															0.047	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N															1.785	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N															33.3	J
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1467-02		OL-1467-03		OL-1467-04		OL-1467-05		OL-1467-06		OL-1467-07		OL-1467-08		OL-1467-09	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft	
			Sample Date	8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011	
			SDG	UFICHM2011-041		UFICHM2011-041		UFICHM2011-041		UFICHM2011-041		UFICHM2011-041		UFICHM2011-041		UFICHM2011-041		UFICHM2011-041	
			Matrix	Water		Water		Water		Water		Water		Water		Water		WATER	
			Sample Purpose	Field duplicate		econd field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N																
E1631	MERCURY	ug/L	N																
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N	130.1		129.7		129.5		124.9		123.5		124.2		129			
UFI SOP	CHLORIDE	mg/L	N	377.5		387.2				309.8				300.1		300.1			
UFI SOP	CHLOROPHYLL-A	ug/L	N	8.9		8.6				1									
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3.4	J	3.4	J			2.6	U			2.7	U	2.8	U		
UFI SOP	FERROUS IRON (II)	ug/l	N									10	U	10	U			9	J
UFI SOP	METHANE	ug/L	N					500	U	500	U	500	U	300	J			800	
UFI SOP	NITRITE	mg/l	N	0.053		0.053		0.036		0.084		0.096		0.09		0.079			
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.04	J	0.049		0.282		0.353		0.47		0.667		1.054			
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.751		1.85		0.884		0.95		0.976		1.065		1.81			
UFI SOP	SULFIDE	mg/L	N									0.056	U	0.056	U			0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	33.8	J	33.6	J			49.4	J			51.5	J	52.9	J		
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1467-10	
			Location	DEEP_S	
			Sample Depth	59.4-59.4 Ft	
			Sample Date	8/15/2011	
			SDG	UFICHM2011-041	
			Matrix	WATER	
			Sample Purpose	Field duplicate	
			Sample Type	Surface water	
Method	Parameter Name	Units	Filtered		
E1630	METHYL MERCURY	ug/L	N		
E1631	MERCURY	ug/L	N		
E1631	MERCURY	ug/L	Y		
UFI SOP	CALCIUM	mg/L	N		
UFI SOP	CHLORIDE	mg/L	N		
UFI SOP	CHLOROPHYLL-A	ug/L	N		
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y		
UFI SOP	FERROUS IRON (II)	ug/l	N	36	J
UFI SOP	METHANE	ug/L	N	800	
UFI SOP	NITRITE	mg/l	N		
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N		
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N		
UFI SOP	SULFIDE	mg/L	N	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N		
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N		
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N		
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N		
UFI SOP	Total Suspended Solids	mg/l	N		

			Field Sample ID	OL-1467-11		OL-1469-02		OL-1469-03		OL-1469-04		OL-1469-05		OL-1469-06	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011	
			SDG	UFICHM2011-041		240-2881-1		240-2881-1		240-2881-1		240-2881-1		240-2881-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Second field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N			0.00011		0.000095		0.0001		0.000095		0.000096	
E1631	MERCURY	ug/L	N			0.0017		0.0012		0.0009		0.001		0.001	
E1631	MERCURY	ug/L	Y			0.00097		0.00078							
UFI SOP	CALCIUM	mg/l	N												
UFI SOP	CHLORIDE	mg/L	N												
UFI SOP	CHLOROPHYLL-A	ug/L	N												
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y												
UFI SOP	FERROUS IRON (II)	ug/l	N	14	J										
UFI SOP	METHANE	ug/L	N	700											
UFI SOP	NITRITE	mg/l	N												
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N												
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N												
UFI SOP	SULFIDE	mg/L	N	0.056	U										
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N												
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1469-07		OL-1469-08		OL-1475-01		OL-1475-02		OL-1475-03		OL-1475-04	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	8/15/2011		8/15/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011	
			SDG	240-2881-1		240-2881-1		UFICHM2011-043		UFICHM2011-043		UFICHM2011-043		UFICHM2011-043	
			Matrix	Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N	0.00013		0.00021									
E1631	MERCURY	ug/L	N	0.00081		0.00085									
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N					129.7		130.9		130.2		131.7	
UFI SOP	CHLORIDE	mg/L	N												
UFI SOP	CHLOROPHYLL-A	ug/L	N												
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y												
UFI SOP	FERROUS IRON (II)	ug/l	N												
UFI SOP	METHANE	ug/L	N												
UFI SOP	NITRITE	mg/l	N					0.05		0.05		0.051		0.015	U
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.02	J	0.024	J	0.018	J	0.263	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.746	J	1.803	J	1.719	J	0.814	J
UFI SOP	SULFIDE	mg/L	N												
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N												
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1475-05		OL-1475-06		OL-1475-07		OL-1475-08		OL-1475-09		OL-1475-10	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft	
			Sample Date	8/22/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011	
			SDG	UFICHM2011-043		UFICHM2011-043		UFICHM2011-043		UFICHM2011-043		UFICHM2011-043		UFICHM2011-043	
			Matrix	Water		Water		Water		Water		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N												
E1631	MERCURY	ug/L	N												
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N	126.1		126.8		126.1		126.1					
UFI SOP	CHLORIDE	mg/L	N												
UFI SOP	CHLOROPHYLL-A	ug/L	N												
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y												
UFI SOP	FERROUS IRON (II)	ug/l	N			6	J	5	U			5	U	5	U
UFI SOP	METHANE	ug/L	N												
UFI SOP	NITRITE	mg/l	N	0.055		0.069		0.093		0.09					
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.418	J	0.473	J	0.754	J	1.667	J				
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.922	J	1.169	J	3.71	J	2.172	J				
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U			0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N												
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1475-11		OL-1477-02		OL-1477-03		OL-1477-04		OL-1477-05		OL-1477-06	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	8/22/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011		8/22/2011	
			SDG	UFICHM2011-043		240-3088-1		240-3088-1		240-3088-1		240-3088-1		240-3088-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Second field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N			0.0002	J	0.0002	J	0.0002	J	0.00013		0.00013	
E1631	MERCURY	ug/L	N			0.001	J	0.001	J	0.00094	J	0.00073	J	0.0009	J
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N												
UFI SOP	CHLORIDE	mg/L	N												
UFI SOP	CHLOROPHYLL-A	ug/L	N												
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y												
UFI SOP	FERROUS IRON (II)	ug/l	N	3	J										
UFI SOP	METHANE	ug/L	N												
UFI SOP	NITRITE	mg/l	N												
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N												
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N												
UFI SOP	SULFIDE	mg/L	N	0.056	U										
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N												
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1477-07		OL-1477-08		OL-1481-01		OL-1481-02		OL-1481-03		OL-1481-04	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	8/22/2011		8/22/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			SDG	240-3088-1		240-3088-1		UFICHM2011-047		UFICHM2011-047		UFICHM2011-047		UFICHM2011-047	
			Matrix	Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N	0.00014		0.00044									
E1631	MERCURY	ug/L	N	0.0011	J	0.0015	J								
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N					135.5		135.5		134.6		132.6	
UFI SOP	CHLORIDE	mg/L	N					406.5		406.5		406.5			
UFI SOP	CHLOROPHYLL-A	ug/L	N					4.5		5.8		5.7			
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y					3.4		3.5		3.5			
UFI SOP	FERROUS IRON (II)	ug/l	N												
UFI SOP	METHANE	ug/L	N											500	U
UFI SOP	NITRITE	mg/l	N					0.049		0.049		0.05		0.012	J
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.081		0.081		0.084		0.326	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.727		1.766		1.751		0.93	
UFI SOP	SULFIDE	mg/L	N												
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N					34.7		33.3		33.6			
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1481-05		OL-1481-06		OL-1481-07		OL-1481-08		OL-1481-09		OL-1481-10	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft	
			Sample Date	8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			SDG	UFICHM2011-047		UFICHM2011-047		UFICHM2011-047		UFICHM2011-047		UFICHM2011-047		UFICHM2011-047	
			Matrix	Water		Water		Water		Water		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N												
E1631	MERCURY	ug/L	N												
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N	125.6		126.1		125.6		125.6					
UFI SOP	CHLORIDE	mg/L	N	319.4				309.7		319.4					
UFI SOP	CHLOROPHYLL-A	ug/L	N	0.7											
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	2.9				2.9		2.9					
UFI SOP	FERROUS IRON (II)	ug/l	N			7	J	10	U			4	J	4	J
UFI SOP	METHANE	ug/L	N	200	J	500	U	400	J			1000		1000	
UFI SOP	NITRITE	mg/l	N	0.025		0.05		0.072		0.109					
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.529		0.633		0.788		1.537					
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.924		1.023		1.13		1.534					
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U			0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	49.7				53.1		56.3					
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1481-11		OL-1483-02		OL-1483-03		OL-1483-04		OL-1483-05		OL-1483-06	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			SDG	UFICHM2011-047		240-3323-1		240-3323-1		240-3323-1		240-3323-1		240-3323-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Second field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N			0.00011		0.000091		0.000098	J	0.000092	J	0.00012	J
E1631	MERCURY	ug/L	N			0.0024		0.0022		0.0012		0.00095		0.0011	
E1631	MERCURY	ug/L	Y			0.00061		0.00064							
UFI SOP	CALCIUM	mg/l	N												
UFI SOP	CHLORIDE	mg/L	N												
UFI SOP	CHLOROPHYLL-A	ug/L	N												
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y												
UFI SOP	FERROUS IRON (II)	ug/l	N	3	J										
UFI SOP	METHANE	ug/L	N	900											
UFI SOP	NITRITE	mg/l	N												
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N												
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N												
UFI SOP	SULFIDE	mg/L	N	0.056	U										
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N												
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1483-07		OL-1483-08		OL-1488-01		OL-1488-02		OL-1488-03		OL-1488-04	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	8/29/2011		8/29/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011	
			SDG	240-3323-1		240-3323-1		UFICHM2011-049		UFICHM2011-049		UFICHM2011-049		UFICHM2011-049	
			Matrix	Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N	0.00013	J	0.00023									
E1631	MERCURY	ug/L	N	0.0009		0.0014									
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N					135.3		130.2		132.6		132.4	
UFI SOP	CHLORIDE	mg/L	N					402		392.2		392.2			
UFI SOP	CHLOROPHYLL-A	ug/L	N					6.5		8.1		8.2			
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y					3.5		3.5		3.5			
UFI SOP	FERROUS IRON (II)	ug/l	N												
UFI SOP	METHANE	ug/L	N											500	U
UFI SOP	NITRITE	mg/l	N					0.045		0.044		0.044		0.005	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.054		0.052		0.057		0.412	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.681		1.687		1.667		0.956	
UFI SOP	SULFIDE	mg/L	N												
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N					35.6		34.7		33.7			
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1488-05		OL-1488-06		OL-1488-07		OL-1488-08		OL-1488-09		OL-1488-10	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft	
			Sample Date	9/6/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011	
			SDG	UFICHM2011-049		UFICHM2011-049		UFICHM2011-049		UFICHM2011-049		UFICHM2011-049		UFICHM2011-049	
			Matrix	Water		Water		Water		Water		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N												
E1631	MERCURY	ug/L	N												
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N	129		128.8		128.5		130.9					
UFI SOP	CHLORIDE	mg/L	N	323.5		323.5		313.7		323.5					
UFI SOP	CHLOROPHYLL-A	ug/L	N	0.6											
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	2.7		2.7		2.8		3.3					
UFI SOP	FERROUS IRON (II)	ug/l	N			10	U	10	U			5	J	3	J
UFI SOP	METHANE	ug/L	N	500	U	500	U	700				1300		1200	
UFI SOP	NITRITE	mg/l	N	0.008		0.074		0.078		0.101					
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.616		0.858		1.009		1.44					
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.982		1.537		1.31		2.367					
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U			0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	52		54.2		53		56.8					
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1488-11		OL-1490-02		OL-1490-03		OL-1490-04		OL-1490-05		OL-1490-06	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	9/6/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011		9/6/2011	
			SDG	UFICHM2011-049		240-3546-1		240-3546-1		240-3546-1		240-3546-1		240-3546-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Second field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N			0.0003	U	0.0003	U	0.0003	U	0.0003	U	0.00013	
E1631	MERCURY	ug/L	N			0.0012		0.00084		0.00093		0.00077		0.00082	
E1631	MERCURY	ug/L	Y			0.00086		0.0006							
UFI SOP	CALCIUM	mg/l	N												
UFI SOP	CHLORIDE	mg/L	N												
UFI SOP	CHLOROPHYLL-A	ug/L	N												
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y												
UFI SOP	FERROUS IRON (II)	ug/l	N	3	J										
UFI SOP	METHANE	ug/L	N	1100											
UFI SOP	NITRITE	mg/l	N												
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N												
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N												
UFI SOP	SULFIDE	mg/L	N	0.056	U										
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N												
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1490-07		OL-1490-08		OL-1601-01		OL-1601-02		OL-1601-03		OL-1601-04	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	9/6/2011		9/6/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011	
			SDG	240-3546-1		240-3546-1		UFICHM2011-052		UFICHM2011-052		UFICHM2011-052		UFICHM2011-052	
			Matrix	Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N	0.00014		0.00019									
E1631	MERCURY	ug/L	N	0.001		0.0014									
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N					129.7		132.6		130.2		134.6	
UFI SOP	CHLORIDE	mg/L	N					396.9		387.2		396.9			
UFI SOP	CHLOROPHYLL-A	ug/L	N					10.5		8.4		9.5			
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y					3.5		3.5		3.5			
UFI SOP	FERROUS IRON (II)	ug/l	N												
UFI SOP	METHANE	ug/L	N											500	U
UFI SOP	NITRITE	mg/l	N					0.045		0.047		0.044		0.006	J
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.04		0.042		0.037	J	0.368	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.86426	J	1.85128	J	1.828	J	0.962	J
UFI SOP	SULFIDE	mg/L	N												
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N					35.1		35.3		34.8			
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1601-05		OL-1601-06		OL-1601-07		OL-1601-08		OL-1601-09		OL-1601-10	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft	
			Sample Date	9/12/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011	
			SDG	UFICHM2011-052		UFICHM2011-052		UFICHM2011-052		UFICHM2011-052		UFICHM2011-052		UFICHM2011-052	
			Matrix	Water		Water		Water		Water		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N												
E1631	MERCURY	ug/L	N												
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N	131.4		134.1		133.3		135					
UFI SOP	CHLORIDE	mg/L	N	358.2		348.5		319.5		319.5					
UFI SOP	CHLOROPHYLL-A	ug/L	N	0.8											
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	2.7		2.7		2.7		3					
UFI SOP	FERROUS IRON (II)	ug/l	N			10	U	10	U			4	J	10	U
UFI SOP	METHANE	ug/L	N	200	U	500	U	800				1500		1500	
UFI SOP	NITRITE	mg/l	N	0.011	J	0.034		0.064		0.086					
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.715		0.705		1.019		1.795					
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.929	J	1.183	J	1.732	J	3.49	J				
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U			0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	51.4		53.1		53.7		56.7					
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1601-11		OL-1603-02		OL-1603-03		OL-1603-04		OL-1603-05		OL-1603-06	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	9/12/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011	
			SDG	UFICHM2011-052		240-3757-1		240-3757-1		240-3757-1		240-3757-1		240-3757-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Second field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N			0.000057	J	0.000045	J	0.000045	J	0.000077	J	0.000065	J
E1631	MERCURY	ug/L	N			0.0016		0.0022		0.0013		0.0012		0.0011	
E1631	MERCURY	ug/L	Y			0.00055		0.00041	J						
UFI SOP	CALCIUM	mg/l	N												
UFI SOP	CHLORIDE	mg/L	N												
UFI SOP	CHLOROPHYLL-A	ug/L	N												
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y												
UFI SOP	FERROUS IRON (II)	ug/l	N	10	U										
UFI SOP	METHANE	ug/L	N	1300											
UFI SOP	NITRITE	mg/l	N												
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N												
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N												
UFI SOP	SULFIDE	mg/L	N	0.056	U										
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N												
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1603-07		OL-1603-08		OL-1605-01		OL-1605-02		OL-1605-03		OL-1605-04	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	9/12/2011		9/12/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011	
			SDG	240-3757-1		240-3757-1		UFICHM2011-057		UFICHM2011-057		UFICHM2011-057		UFICHM2011-057	
			Matrix	Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N	0.00014	J	0.00025	J								
E1631	MERCURY	ug/L	N	0.0014		0.0015									
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N					128.2		127.2		128.7		106.8	
UFI SOP	CHLORIDE	mg/L	N					402		392.2		392.2			
UFI SOP	CHLOROPHYLL-A	ug/L	N					6.4		6.2		6.1			
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y					3.7		3.5		3.6			
UFI SOP	FERROUS IRON (II)	ug/l	N												
UFI SOP	METHANE	ug/L	N											500	U
UFI SOP	NITRITE	mg/l	N					0.033		0.032		0.031		0.015	U
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.068		0.067		0.068		0.462	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.771		1.73		1.768		0.847	
UFI SOP	SULFIDE	mg/L	N												
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N					38.3		39		38.8			
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1605-05		OL-1605-06		OL-1605-07		OL-1605-08		OL-1605-09		OL-1605-10	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 Ft		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft	
			Sample Date	9/19/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011	
			SDG	UFICHM2011-057		UFICHM2011-057		UFICHM2011-057		UFICHM2011-057		UFICHM2011-057		UFICHM2011-057	
			Matrix	WATER		Water		Water		Water		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N												
E1631	MERCURY	ug/L	N												
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N	123.2		123.8		126.1		130.5					
UFI SOP	CHLORIDE	mg/L	N	352.9		323.5		323.5		323.5					
UFI SOP	CHLOROPHYLL-A	ug/L	N	2.1											
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	2.9		2.8		2.8		3					
UFI SOP	FERROUS IRON (II)	ug/l	N			10	U	10	U			10	U	6	J
UFI SOP	METHANE	ug/L	N	500	U	700		800				1300		1100	
UFI SOP	NITRITE	mg/l	N	0.015	U	0.029		0.051		0.062					
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.601		0.909		1.126		2.014					
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.892		1.478		1.88		3.948					
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U			0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	58.6		58.3		62.3		62.5					
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1605-11		OL-1607-02		OL-1607-03		OL-1607-04		OL-1607-05		OL-1607-06	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT	
			Sample Date	9/19/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011		9/19/2011	
			SDG	UFICHM2011-057		240-4004-1		240-4004-1		240-4004-1		240-4004-1		240-4004-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Second field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N			0.000026	J	0.000041	J	0.000059	J	0.00006	J	0.00011	J
E1631	MERCURY	ug/L	N			0.002		0.0017		0.0013		0.00066		0.001	
E1631	MERCURY	ug/L	Y			0.00083		0.00068							
UFI SOP	CALCIUM	mg/l	N												
UFI SOP	CHLORIDE	mg/L	N												
UFI SOP	CHLOROPHYLL-A	ug/L	N												
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y												
UFI SOP	FERROUS IRON (II)	ug/l	N	5	J										
UFI SOP	METHANE	ug/L	N	1800											
UFI SOP	NITRITE	mg/l	N												
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N												
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N												
UFI SOP	SULFIDE	mg/L	N	0.056	U										
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N												
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1607-07		OL-1607-08		OL-1614-01		OL-1614-02		OL-1614-03		OL-1614-04	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		33-33 FT	
			Sample Date	9/19/2011		9/19/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011	
			SDG	240-4004-1		240-4004-1		UFICHM2011-060		UFICHM2011-060		UFICHM2011-060		UFICHM2011-060	
			Matrix	Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N	0.00011	J	0.00017	J								
E1631	MERCURY	ug/L	N	0.0011		0.0011									
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/l	N					130.4		129.9		129.7		138.9	
UFI SOP	CHLORIDE	mg/L	N					402		392.2		392.2			
UFI SOP	CHLOROPHYLL-A	ug/L	N					11.8		11.2		12.6			
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y					3.6		3.5		3.5			
UFI SOP	FERROUS IRON (II)	ug/l	N												
UFI SOP	METHANE	ug/L	N											500	U
UFI SOP	NITRITE	mg/l	N					0.043		0.044		0.044		0.042	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.03	J	0.027	J	0.033	J	0.354	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.808		1.786		1.771		1.15	
UFI SOP	SULFIDE	mg/L	N												
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N					37.1		37		36.8			
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N												
UFI SOP	Total Suspended Solids	mg/L	N												

			Field Sample ID	OL-1614-05		OL-1614-06		OL-1614-07		OL-1614-08		OL-1614-09		OL-1614-10		OL-1614-11		OL-1616-02	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft		6.6-6.6 FT	
			Sample Date	9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011	
			SDG	UFICHM2011-060		UFICHM2011-060		UFICHM2011-060		UFICHM2011-060		UFICHM2011-060		UFICHM2011-060		UFICHM2011-060		240-4233-1	
			Matrix	Water		Water		Water		Water		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N															0.000071	J
E1631	MERCURY	ug/L	N															0.00062	
E1631	MERCURY	ug/L	Y															0.00046	J
UFI SOP	CALCIUM	mg/L	N	130.4		127.6		130.2		132.8									
UFI SOP	CHLORIDE	mg/L	N	392.2		362.7		343.1		362.7									
UFI SOP	CHLOROPHYLL-A	ug/L	N	2.2															
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	2.7		2.7		2.7		2.8									
UFI SOP	FERROUS IRON (II)	ug/l	N			10	U	6	J			4	J	4	J	10	U		
UFI SOP	METHANE	ug/L	N	500	U	500		700				1200		1300		1200			
UFI SOP	NITRITE	mg/l	N	0.008	J	0.008	J	0.036		0.039									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.727		0.797		1.09		1.59									
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.25		1.269		1.912		3.136									
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U			0.056	U	0.056	U	0.056	U		
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	52		51.4		52.3		54.9									
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1616-03		OL-1616-04		OL-1616-05		OL-1616-06		OL-1616-07		OL-1616-08		OL-1621-01		OL-1621-02	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		6.6-6.6 FT		6.6-6.6 FT	
			Sample Date	9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011		9/26/2011		10/3/2011		10/3/2011	
			SDG	240-4233-1		240-4233-1		240-4233-1		240-4233-1		240-4233-1		240-4233-1		UFICHM2011-061		UFICHM2011-061	
			Matrix	WATER		WATER		WATER		WATER		Water		Water		Water		Water	
			Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	Se
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000052	J	0.000019	J	0.000038	J	0.000076	J	0.00022	J	0.00013	J				
E1631	MERCURY	ug/L	N	0.00081		0.0015		0.0011		0.00098		0.0011		0.0012					
E1631	MERCURY	ug/L	Y	0.00024	J														
UFI SOP	CALCIUM	mg/L	N													128.8		129.7	
UFI SOP	CHLORIDE	mg/L	N													399.4		379.9	
UFI SOP	CHLOROPHYLL-A	ug/L	N													8		7.8	
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y													3.5		3.5	
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N													0.044		0.044	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N													0.107		0.106	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N													1.94		1.935	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N													38.7		38.9	
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1621-03		OL-1621-04		OL-1621-05		OL-1621-06		OL-1621-07		OL-1621-08		OL-1621-09		OL-1621-10	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT		59.4-59.4 Ft		59.4-59.4 Ft	
			Sample Date	10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011	
			SDG	UFICHM2011-061		UFICHM2011-061		UFICHM2011-061		UFICHM2011-061		UFICHM2011-061		UFICHM2011-061		UFICHM2011-061		UFICHM2011-061	
			Matrix	Water		Water		Water		Water		Water		Water		WATER		WATER	
			Sample Purpose	cond field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	Se
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N																
E1631	MERCURY	ug/L	N																
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N	129.5		129.7		129.2		127.3		128.5		131.1					
UFI SOP	CHLORIDE	mg/L	N	379.9				360.4		350.7		340.9		350.7					
UFI SOP	CHLOROPHYLL-A	ug/L	N	8				1											
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3.6				2.7		2.8		2.9		2.9					
UFI SOP	FERROUS IRON (II)	ug/l	N							10	U	10	U			10	U	10	U
UFI SOP	METHANE	ug/L	N			500	U	500	U	500		1000				1000		1100	
UFI SOP	NITRITE	mg/l	N	0.042		0.02		0.01	J	0.011	J	0.02		0.023					
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.102		0.569		0.865		1.025		1.414		1.556					
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.888		1.169		1.066		1.426		2.335		2.318					
UFI SOP	SULFIDE	mg/L	N							0.056	U	0.056	U			0.056	U	0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	40				54		56.3		57.1		57.5					
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1621-11		OL-1623-02		OL-1623-03		OL-1623-04		OL-1623-05		OL-1623-06		OL-1623-07		OL-1623-08	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		6.6-6.6 FT		6.6-6.6 FT		33-33 FT		39.6-39.6 FT		46.2-46.2 FT		52.8-52.8 FT		59.4-59.4 FT	
			Sample Date	10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011		10/3/2011	
			SDG	UFICHM2011-061		240-4464-1		240-4464-1		240-4464-1		240-4464-1		240-4464-1		240-4464-1		240-4464-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		Water		Water	
			Sample Purpose	cond field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			0.000039	J	0.00024	J	0.000054	J	0.00006	J	0.0001	J	0.00011	J	0.00013	J
E1631	MERCURY	ug/L	N			0.0022	J	0.0011	J	0.00087	J	0.0009	J	0.00074	J	0.00068	J	0.00088	J
E1631	MERCURY	ug/L	Y			0.0004	J	0.00034	J										
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N	3	J														
UFI SOP	METHANE	ug/L	N	1100															
UFI SOP	NITRITE	mg/l	N																
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N																
UFI SOP	SULFIDE	mg/L	N	0.056	U														
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1628-01		OL-1628-02		OL-1628-03		OL-1628-04		OL-1628-05		OL-1628-06		OL-1628-07		OL-1628-08	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 ft		6.6-6.6 ft		6.6-6.6 ft		33-33 ft		39.6-39.6 ft		46.2-46.2 ft		52.8-52.8 ft		59.4-59.4 ft	
			Sample Date	10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011	
			SDG	UFICHM2011-063		UFICHM2011-063		UFICHM2011-063		UFICHM2011-063		UFICHM2011-063		UFICHM2011-063		UFICHM2011-063		UFICHM2011-063	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Second field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N																
E1631	MERCURY	ug/L	N																
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N	125.7		126.1		127.3		125.5		124.1		124.9		124.7		126.5	
UFI SOP	CHLORIDE	mg/L	N	409.1		379.9		389.6				379.9		350.7		340.9		350.7	
UFI SOP	CHLOROPHYLL-A	ug/L	N	18.1		17.5		18.5				2.1							
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3.5		3.7		3.5				3.1		2.8		2.9		2.9	
UFI SOP	FERROUS IRON (II)	ug/l	N											3	J	10	U		
UFI SOP	METHANE	ug/L	N									500	U	500	U	900			
UFI SOP	NITRITE	mg/l	N	0.044		0.042		0.042		0.029		0.007	J	0.006	J	0.013	J	0.015	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.04	UJ	0.04	UJ	0.04	UJ	0.412	J	0.792	J	1.195	J	1.318	J	1.552	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.911		1.906		2.081	J	1.463		1.351		1.637		2.097		1.809	
UFI SOP	SULFIDE	mg/L	N											0.056	U	0.056	U		
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	38		38.2		37.1				51.3		54.2		54.4		56.4	
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1628-09		OL-1628-10		OL-1628-11		OL-1630-02		OL-1630-03		OL-1630-04		OL-1630-05		OL-1630-06	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft		6.6-6.6 ft		6.6-6.6 ft		33-33 ft		39.6-39.6 ft		46.2-46.2 ft	
			Sample Date	10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011		10/10/2011	
			SDG	UFICHM2011-063		UFICHM2011-063		UFICHM2011-063		240-4727-1		240-4727-1		240-4727-1		240-4727-1		240-4727-1	
			Matrix	WATER		WATER		WATER		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Second field duplicate		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N							0.000081		0.000087		0.000051		0.000045	J	0.000046	J
E1631	MERCURY	ug/L	N							0.00092	J	0.00055	J	0.00069	J	0.00047	J	0.00038	J
E1631	MERCURY	ug/L	Y							0.00016	J	0.00023	J						
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N	10	U	10	U	10	U										
UFI SOP	METHANE	ug/L	N	1000		1000		1100											
UFI SOP	NITRITE	mg/l	N																
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N																
UFI SOP	SULFIDE	mg/L	N	0.056	U	0.056	U	0.056	U										
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1630-07		OL-1630-08		OL-1634-01		OL-1634-02		OL-1634-03		OL-1634-04		OL-1634-05		OL-1634-06	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	52.8-52.8 ft		59.4-59.4 ft		6.6-6.6 ft		6.6-6.6 ft		6.6-6.6 ft		33-33 ft		39.6-39.6 ft		46.2-46.2 ft	
			Sample Date	10/10/2011		10/10/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011	
			SDG	240-4727-1		240-4727-1		UFICHM2011-066		UFICHM2011-066		UFICHM2011-066		UFICHM2011-066		UFICHM2011-066		UFICHM2011-066	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000083		0.000087													
E1631	MERCURY	ug/L	N	0.00046	J	0.00056	J												
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N					128.1		127.9		128.9		130.3		129.3		125.5	
UFI SOP	CHLORIDE	mg/L	N					392.2		392.2		392.2				392.2		352.9	
UFI SOP	CHLOROPHYLL-A	ug/L	N					12		11.9		10.8				8.6			
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y					3.5		3.5		3.5				3.4		2.8	
UFI SOP	FERROUS IRON (II)	ug/l	N															10	U
UFI SOP	METHANE	ug/L	N															800	
UFI SOP	NITRITE	mg/l	N					0.06		0.061		0.061		0.061		0.058		0.006	J
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N					0.101		0.102		0.108		0.102		0.125		1.019	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					2.119		2.143		2.13		2.06		2.045		1.94	
UFI SOP	SULFIDE	mg/L	N															0.056	U
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N					41.9		41.7		43.2				43.1		54.7	
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1634-07		OL-1634-08		OL-1634-09		OL-1634-10		OL-1634-11		OL-1636-02		OL-1636-03		OL-1636-04
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S
			Sample Depth	52.8-52.8 ft		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 Ft		6.6-6.6 ft		6.6-6.6 ft		33-33 ft
			Sample Date	10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/17/2011
			SDG	UFICHM2011-066		UFICHM2011-066		UFICHM2011-066		UFICHM2011-066		UFICHM2011-066		240-4950-1		240-4950-1		240-4950-1
			Matrix	Water		WATER		WATER		WATER		WATER		Water		Water		Water
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample		Field duplicate		Regular sample
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water
Method	Parameter Name	Units	Filtered															
E1630	METHYL MERCURY	ug/L	N											0.00008		0.000087		0.000067
E1631	MERCURY	ug/L	N											0.0027		0.0021		0.00095
E1631	MERCURY	ug/L	Y											0.00016	J	0.00021	J	
UFI SOP	CALCIUM	mg/L	N	125.3		123.3												
UFI SOP	CHLORIDE	mg/L	N	352.9		421.6												
UFI SOP	CHLOROPHYLL-A	ug/L	N															
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3		3												
UFI SOP	FERROUS IRON (II)	ug/l	N	10	U			10	U	10	U	3	J					
UFI SOP	METHANE	ug/L	N	800				800		500		900						
UFI SOP	NITRITE	mg/l	N	0.006	J	0.011	J											
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	1.141		1.319												
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	2.16		2.343												
UFI SOP	SULFIDE	mg/L	N	0.056	U			0.056	U	0.056	U	0.056	U					
UFI SOP	TOTAL CARBON	mg/l	N															
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N															
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	54.9		55.7												
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N															
UFI SOP	Total Suspended Solids	mg/l	N															

			Field Sample ID	OL-1636-05		OL-1636-06		OL-1636-07		OL-1636-08		OL-1641-01		OL-1641-02		OL-1641-03		OL-1641-04
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S
			Sample Depth	39.6-39.6 ft		46.2-46.2 ft		52.8-52.8 ft		59.4-59.4 ft		6.6-6.6 ft		6.6-6.6 ft		6.6-6.6 ft		33-33 ft
			Sample Date	10/17/2011		10/17/2011		10/17/2011		10/17/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011
			SDG	240-4950-1		240-4950-1		240-4950-1		240-4950-1		UFICHM2011-069		UFICHM2011-069		UFICHM2011-069		UFICHM2011-069
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water
Method	Parameter Name	Units	Filtered															
E1630	METHYL MERCURY	ug/L	N	0.000073		0.000057		0.000063		0.000073								
E1631	MERCURY	ug/L	N	0.00091		0.00058		0.00058		0.00081								
E1631	MERCURY	ug/L	Y															
UFI SOP	CALCIUM	mg/L	N									135.3		133.5		134.2		134.9
UFI SOP	CHLORIDE	mg/L	N									431.4		402		392.2		
UFI SOP	CHLOROPHYLL-A	ug/L	N									10		7.7		10.5		
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y									3.2		3.2		3.2		
UFI SOP	FERROUS IRON (II)	ug/l	N															
UFI SOP	METHANE	ug/L	N															
UFI SOP	NITRITE	mg/l	N									0.046		0.04		0.038		0.039
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N									0.177		0.161		0.162		0.163
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N									1.735		1.685		1.69		1.642
UFI SOP	SULFIDE	mg/L	N															
UFI SOP	TOTAL CARBON	mg/l	N															
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N															
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N									41.8		42.2		40		
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N															
UFI SOP	Total Suspended Solids	mg/l	N															

			Field Sample ID	OL-1641-05		OL-1641-06		OL-1641-07		OL-1641-08		OL-1641-09		OL-1641-10		OL-1641-11		OL-1643-02	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	39.6-39.6 ft		46.2-46.2 ft		52.8-52.8 ft		59.4-59.4 Ft		59.4-59.4 Ft		59.4-59.4 ft		59.4-59.4 Ft		6.6-6.6 ft	
			Sample Date	10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011	
			SDG	UFICHM2011-069		UFICHM2011-069		UFICHM2011-069		UFICHM2011-069		UFICHM2011-069		UFICHM2011-069		UFICHM2011-069		240-5210-1	
			Matrix	Water		Water		Water		WATER		WATER		Water		WATER		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N															0.000065	J
E1631	MERCURY	ug/L	N															0.0015	
E1631	MERCURY	ug/L	Y															0.00014	J
UFI SOP	CALCIUM	mg/L	N	134.9		133.5		133.5		136									
UFI SOP	CHLORIDE	mg/L	N	392.2		402		372.5		421.6									
UFI SOP	CHLOROPHYLL-A	ug/L	N	9.8															
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3.2		2.9		2.7		2.8									
UFI SOP	FERROUS IRON (II)	ug/l	N			10	U	7	J			7	J	7	J	5	J		
UFI SOP	METHANE	ug/L	N			500	U	900				500		500		700			
UFI SOP	NITRITE	mg/l	N	0.04		0.017		0.015	U	0.013	J								
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.162		0.549		1.117		1.129									
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.646		1.506		1.766		1.585									
UFI SOP	SULFIDE	mg/L	N			0.056	U	0.056	U			0.056	U	0.056	U	0.056	U		
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	41.1		50.2		54.2		53.5									
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1643-03		OL-1643-04		OL-1643-05		OL-1643-06		OL-1643-07		OL-1643-08		OL-1646-01		OL-1646-02	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 ft		33-33 ft		39.6-39.6 ft		46.2-46.2 ft		52.8-52.8 ft		59.4-59.4 ft		6.6-6.6 ft		6.6-6.6 ft	
			Sample Date	10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/24/2011		10/31/2011		10/31/2011	
			SDG	240-5210-1		240-5210-1		240-5210-1		240-5210-1		240-5210-1		240-5210-1		UFICHM2011-070		UFICHM2011-070	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	Se
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	0.000072	J	0.00006	J	0.000067	J	0.000027	J	0.00004	J	0.000028	J				
E1631	MERCURY	ug/L	N	0.0013		0.00069		0.0007		0.00053		0.00047	J	0.00055					
E1631	MERCURY	ug/L	Y	0.00019	J														
UFI SOP	CALCIUM	mg/L	N													133.3		133.8	
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N													0.039		0.04	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N													0.238	J	0.236	J
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N													1.681		1.862	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1646-03		OL-1646-04		OL-1646-05		OL-1646-06		OL-1648-02		OL-1648-03		OL-1648-04		OL-1648-05	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	6.6-6.6 Ft		39.6-39.6 Ft		52.8-52.8 Ft		59.4-59.4 ft		6.6-6.6 ft		6.6-6.6 ft		39.6-39.6 ft		52.8-52.8 ft	
			Sample Date	10/31/2011		10/31/2011		10/31/2011		10/31/2011		10/31/2011		10/31/2011		10/31/2011		10/31/2011	
			SDG	UFICHM2011-070		UFICHM2011-070		UFICHM2011-070		UFICHM2011-070		240-5421-1		240-5421-1		240-5421-1		240-5421-1	
			Matrix	WATER		WATER		WATER		Water		Water		Water		Water		Water	
			Sample Purpose	cond field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N									0.000067	J	0.000033	J	0.00007	J	0.000045	J
E1631	MERCURY	ug/L	N									0.0023		0.001		0.00091		0.00087	
E1631	MERCURY	ug/L	Y									0.00017	J	0.00034	J				
UFI SOP	CALCIUM	mg/L	N	134		133.3		133.3		127.3									
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.039		0.039		0.039		0.028									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.369	J	0.23	J	0.234	J	0.267	J								
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.831		1.786		1.75		1.721									
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1648-06		OL-1653-01		OL-1653-02		OL-1653-03		OL-1653-04		OL-1653-05	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	59.4-59.4 ft		6.6-6.6 ft		6.6-6.6 ft		6.6-6.6 ft		39.6-39.6 ft		59.4-59.4 ft	
			Sample Date	10/31/2011		11/7/2011		11/7/2011		11/7/2011		11/7/2011		11/7/2011	
			SDG	240-5421-1		UFICHM2011-074		UFICHM2011-074		UFICHM2011-074		UFICHM2011-074		UFICHM2011-074	
			Matrix	Water		Water		Water		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered												
E1630	METHYL MERCURY	ug/L	N	0.000022	J										
E1631	MERCURY	ug/L	N	0.0011											
E1631	MERCURY	ug/L	Y												
UFI SOP	CALCIUM	mg/L	N			134.4		133.8		134		132.7		136.2	
UFI SOP	CHLORIDE	mg/L	N			375		375		375		384.6		423.1	
UFI SOP	CHLOROPHYLL-A	ug/L	N			5.9	J	6.1	J	3.4	J	6.4	J		
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y			3.3		3.3		3.2		3.3		3.2	
UFI SOP	FERROUS IRON (II)	ug/l	N												
UFI SOP	METHANE	ug/L	N												
UFI SOP	NITRITE	mg/l	N			0.043		0.044		0.044		0.044		0.04	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N			0.265		0.278		0.281		0.264		0.336	
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N			1.839		1.842		1.944		1.97		1.97	
UFI SOP	SULFIDE	mg/L	N												
UFI SOP	TOTAL CARBON	mg/l	N												
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N												
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N			44.9		45		44.8		44.3		48.4	
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N												
UFI SOP	Total Suspended Solids	mg/l	N												

			Field Sample ID	OL-1655-02		OL-1655-03		OL-1655-04		OL-1655-05		OL-1661-01		OL-1661-02		OL-1661-03		OL-1661-04
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S
			Sample Depth	6.6-6.6 ft		6.6-6.6 ft		39.6-39.6 ft		59.4-59.4 ft		6.6-6.6 FT		6.6-6.6 FT		6.6-6.6 FT		39.6-39.6 FT
			Sample Date	11/7/2011		11/7/2011		11/7/2011		11/7/2011		11/21/2011		11/21/2011		11/21/2011		11/21/2011
			SDG	240-5675-1		240-5675-1		240-5675-1		240-5675-1		UFICHM2011-077		UFICHM2011-077		UFICHM2011-077		UFICHM2011-077
			Matrix	Water		Water		Water		Water		WATER		WATER		WATER		WATER
			Sample Purpose	Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		Second field duplicate		Regular sample
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water
Method	Parameter Name	Units	Filtered															
E1630	METHYL MERCURY	ug/L	N	7.10E-05	J	6.20E-05	J	5.00E-05	J	5.90E-05	J							
E1631	MERCURY	ug/L	N	0.0012		0.0011		0.00071		0.0011								
E1631	MERCURY	ug/L	Y	0.00023	J	0.00029	J											
UFI SOP	CALCIUM	mg/L	N									134.2		135.3		135.6		137.6
UFI SOP	CHLORIDE	mg/L	N									375		384.9		384.9		394.8
UFI SOP	CHLOROPHYLL-A	ug/L	N									2		1.3		2.3		2.1
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y									3.1		3.2		3.1		3.1
UFI SOP	FERROUS IRON (II)	ug/l	N															
UFI SOP	METHANE	ug/L	N															
UFI SOP	NITRITE	mg/l	N									0.059		0.058		0.06		0.058
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N									0.327		0.455		0.332		0.315
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N									1.951		1.975		1.956		1.981
UFI SOP	SULFIDE	mg/L	N															
UFI SOP	TOTAL CARBON	mg/l	N															
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N															
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N									43.8		45.4		44.8		45.2
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N															
UFI SOP	Total Suspended Solids	mg/L	N															

			Field Sample ID	OL-1661-05		OL-1663-02		OL-1663-03		OL-1663-04		OL-1663-05		OL-1409-01		OL-1414-01		OL-1423-01	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth	59.4-59.4 FT		6.6-6.6 ft		6.6-6.6 ft		39.6-39.6 ft		59.4-59.4 ft							
			Sample Date	11/21/2011		11/21/2011		11/21/2011		11/21/2011		11/21/2011		5/23/2011		6/6/2011		6/20/2011	
			SDG	UFICHM2011-077		240-6181-1		240-6181-1		240-6181-1		240-6181-1		240-394-1		240-912-1		240-1292-1	
			Matrix	WATER		Water		Water		Water		Water		Water		Water		WATER	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Field blank		Field blank		Field blank	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			4.70E-05	J	5.50E-05		4.00E-05	J	4.60E-05	J	1.00E-05	U	1.00E-05	U	2.20E-05	J
E1631	MERCURY	ug/L	N			0.0013		0.00087		0.00075		0.0012		0.00019	J	0.00072		0.00012	U
E1631	MERCURY	ug/L	Y			0.00054		0.00047	J					0.00045	J	0.0005	U	0.0005	U
UFI SOP	CALCIUM	mg/L	N	133.1															
UFI SOP	CHLORIDE	mg/L	N	394.8															
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	3.3															
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.058															
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.294															
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	2.033															
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	44.5															
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1425-01		OL-1428-01		OL-1435-01		OL-1439-01		OL-1444-18		OL-1446-01		OL-1448-01		OL-1449-18	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth																
			Sample Date	6/22/2011		6/27/2011		7/5/2011		7/11/2011		7/18/2011		7/18/2011		7/20/2011		7/26/2011	
			SDG	240-1388-1		240-1516-1		240-1706-1		240-1847-1		UFICHM2011-030		240-2041-1		240-2107-1		UFICHM2011-032	
			Matrix	WATER		Water		WATER		WATER		Water		WATER		WATER		Water	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	3.10E-05	J	1.50E-05	J	1.10E-05	J	1.70E-05	J			1.50E-05	J	3.20E-05	J		
E1631	MERCURY	ug/L	N	0.00012	U	0.00034	J	0.00022	J	0.00019	J			0.00018	J	0.0005	UJ		
E1631	MERCURY	ug/L	Y					0.00026	J					0.00012	UJ				
UFI SOP	CALCIUM	mg/L	N									1.4	U					1.4	U
UFI SOP	CHLORIDE	mg/L	N									100	U						
UFI SOP	CHLOROPHYLL-A	ug/L	N									0.3	U						
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y									0.9	U						
UFI SOP	FERROUS IRON (II)	ug/l	N									10	U					5	U
UFI SOP	METHANE	ug/L	N									500	U						
UFI SOP	NITRITE	mg/l	N									0.015	U					0.015	U
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N									0.018	J					0.04	U
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N									0.037	U					0.037	U
UFI SOP	SULFIDE	mg/L	N									0.056	U						
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N									6.3	U						
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1451-01		OL-1457-18		OL-1459-01		OL-1461-18		OL-1463-01		OL-1467-18		OL-1469-01		OL-1474-01	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth																
			Sample Date	7/26/2011		8/1/2011		8/1/2011		8/8/2011		8/8/2011		8/15/2011		8/15/2011		8/17/2011	
			SDG	240-2265-1		UFICHM2011-037		240-2405-1		UFICHM2011-038		240-2655-1		UFICHM2011-041		240-2881-1		240-2961-1	
			Matrix	WATER		Water		WATER		Water		WATER		Water		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	5.00E-05	UJ			4.30E-05	J			9.50E-05				5.00E-05	U	5.00E-05	U
E1631	MERCURY	ug/L	N	0.00012	UJ			0.00044	J			0.0005	U			0.00012	U	0.00012	U
E1631	MERCURY	ug/L	Y					0.00041	J							0.0005	U		
UFI SOP	CALCIUM	mg/L	N			1.4	U			1.4	U			1.4	U				
UFI SOP	CHLORIDE	mg/L	N			100	U							100	U				
UFI SOP	CHLOROPHYLL-A	ug/L	N			0.3	U							0.3	U				
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y			0.9	U							0.9	U				
UFI SOP	FERROUS IRON (II)	ug/l	N			10	U			5	U			10	U				
UFI SOP	METHANE	ug/L	N			500	U							500	U				
UFI SOP	NITRITE	mg/l	N			0.015	U			0.015	U			0.015	U				
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N			0.015	J			0.01	U			0.04	U				
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N			0.01	J			0.037	U			0.03	J				
UFI SOP	SULFIDE	mg/L	N			0.056	U			0.056	U			0.056	U				
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N			6.3	U							6.3	UJ				
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1475-18		OL-1477-01		OL-1481-18		OL-1483-01		OL-1488-18		OL-1490-01		OL-1601-18		OL-1603-01	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth																
			Sample Date	8/22/2011		8/22/2011		8/29/2011		8/29/2011		9/6/2011		9/6/2011		9/12/2011		9/12/2011	
			SDG	UFICHM2011-043		240-3088-1		UFICHM2011-047		240-3323-1		UFICHM2011-049		240-3546-1		UFICHM2011-052		240-3757-1	
			Matrix	Water		WATER		Water		WATER		Water		WATER		Water		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			1.50E-04	J			1.00E-05	U			1.20E-05	J			5.00E-05	UJ
E1631	MERCURY	ug/L	N			0.00012	UJ			0.0003	J			0.00023	J			0.00021	J
E1631	MERCURY	ug/L	Y							0.00012	U			0.00014	J			0.00025	J
UFI SOP	CALCIUM	mg/L	N	1.4	U			1.4	U			1.4	U			1.4	U		
UFI SOP	CHLORIDE	mg/L	N					100	U			100	U			100	U		
UFI SOP	CHLOROPHYLL-A	ug/L	N					0.3	U			0.3	U			0.3	U		
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y					0.9	U			0.9	U			0.3	J		
UFI SOP	FERROUS IRON (II)	ug/l	N	5	U			10	U			10	U			10	U		
UFI SOP	METHANE	ug/L	N					500	U			500	U			500	U		
UFI SOP	NITRITE	mg/l	N	0.015	U			0.015	U			0.015	U			0.015	U		
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.01	UJ			0.04	U			0.04	U			0.04	U		
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.037	UJ			0.017	J			0.017	J			0.037	UJ		
UFI SOP	SULFIDE	mg/L	N	0.056	U			0.056	U			0.056	U			0.056	U		
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N					6.3	U			6.3	U			6.3	U		
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1605-18		OL-1607-01		OL-1612-01		OL-1613-01		OL-1614-18		OL-1616-01		OL-1621-18		OL-1623-01	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth																
			Sample Date	9/19/2011		9/19/2011		9/21/2011		9/21/2011		9/26/2011		9/26/2011		10/3/2011		10/3/2011	
			SDG	UFICHM2011-057		240-4004-1		240-4088-1		UFICHM2011-059		UFICHM2011-060		240-4233-1		UFICHM2011-061		240-4464-1	
			Matrix	Water		WATER		WATER		WATER		Water		WATER		Water		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			1.00E-05	UJ	5.00E-05						5.00E-05	J			2.60E-04	J
E1631	MERCURY	ug/L	N			0.0005	U	0.00046	J					0.00024	J			0.0005	UJ
E1631	MERCURY	ug/L	Y			0.00034	J							0.00029	J			0.00041	J
UFI SOP	CALCIUM	mg/L	N	1.4	U							1.4	U			1.4	U		
UFI SOP	CHLORIDE	mg/L	N	100	U							100	U						
UFI SOP	CHLOROPHYLL-A	ug/L	N	0.3	U							0.3	U						
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	0.9	U							0.9	U						
UFI SOP	FERROUS IRON (II)	ug/l	N	10	U							10	U			10	U		
UFI SOP	METHANE	ug/L	N	500	U							500	U			500	U		
UFI SOP	NITRITE	mg/l	N	0.015	U					0.015	U	0.015	U						
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.04	U							0.011	J						
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.037	U					0.037	U	0.037	U						
UFI SOP	SULFIDE	mg/L	N	0.056	U							0.056	U			0.056	U		
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	6.3	U							6.3	U			6.3	U		
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1628-18		OL-1630-01		OL-1632-01		OL-1633-01		OL-1634-18		OL-1636-01		OL-1641-18		OL-1643-01	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth																
			Sample Date	10/10/2011		10/10/2011		10/13/2011		10/13/2011		10/17/2011		10/17/2011		10/24/2011		10/24/2011	
			SDG	UFICHM2011-063		240-4727-1		240-4870-1		UFICHM2011-064		UFICHM2011-066		240-4950-1		UFICHM2011-069		240-5210-1	
			Matrix	Water		Water		Water		Water		Water		Water		Water		Water	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			1.00E-05	U	1.00E-05	UJ					1.00E-05	U			1.00E-05	UJ
E1631	MERCURY	ug/L	N			0.00062	J	0.00085	J					0.00029	J			0.00032	J
E1631	MERCURY	ug/L	Y			0.00012	U							0.00013	J			0.00023	J
UFI SOP	CALCIUM	mg/L	N	1.4	U											1.4	U		
UFI SOP	CHLORIDE	mg/L	N	100	U											100	U		
UFI SOP	CHLOROPHYLL-A	ug/L	N	0.3	U											0.3	U		
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y	0.9	U											0.9	U		
UFI SOP	FERROUS IRON (II)	ug/l	N	10	U							10	U			10	U		
UFI SOP	METHANE	ug/L	N	500	U							500	U			500	U		
UFI SOP	NITRITE	mg/l	N	0.015	U					0.015	U					0.015	U		
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.04	UJ											0.04	U		
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.037	U					0.037	U					0.037	U		
UFI SOP	SULFIDE	mg/L	N	0.056	U							0.056	U			0.056	U		
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N	6.3	U											6.3	U		
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1646-14		OL-1648-01		OL-1653-09		OL-1655-01		OL-1661-09		OL-1663-01		OL-1425-04		OL-1448-04	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		ISUS-11		ISUS-11	
			Sample Depth													59.4-59.4 FT		59.4-59.4 FT	
			Sample Date	10/31/2011		10/31/2011		11/7/2011		11/7/2011		11/21/2011		11/21/2011		6/22/2011		7/20/2011	
			SDG	UFICHM2011-070		240-5421-1		UFICHM2011-074		240-5675-1		UFICHM2011-077		240-6181-1		240-1388-1		240-2107-1	
			Matrix	Water		Water		Water		Water		WATER		Water		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Regular sample		Regular sample	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			1.30E-05	J			1.00E-05	UJ			1.00E-05	U	6.70E-05		1.40E-04	
E1631	MERCURY	ug/L	N			0.00069				0.0003	J			0.00012	U	0.0014		0.00087	J
E1631	MERCURY	ug/L	Y			0.0002	J			0.00012	U			0.00012	J				
UFI SOP	CALCIUM	mg/L	N	1.4	U			1.4	U			1.4	U						
UFI SOP	CHLORIDE	mg/L	N					100	U			100	U						
UFI SOP	CHLOROPHYLL-A	ug/L	N					0.3	UJ			0.3	U						
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y					0.9	U			0.9	U						
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.015	U			0.015	U			0.015	U						
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N	0.04	UJ			0.021	J			0.02	J						
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	0.037	U			0.037	U			0.012	J						
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N					6.3	U			6.3	U						
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1474-04		OL-1612-04		OL-1613-04		OL-1632-04		OL-1633-04		OL-1425-05		OL-1448-05		OL-1474-05	
			Location	ISUS-11		ISUS-11		ISUS-11		ISUS-11		ISUS-11		ISUS-14		ISUS-14		ISUS-14	
			Sample Depth	59.4-59.4 Ft		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 ft		59.4-59.4 ft		46.2-46.2 FT		46.2-46.2 FT		49.5-49.5 Ft	
			Sample Date	8/17/2011		9/21/2011		9/21/2011		10/13/2011		10/13/2011		6/22/2011		7/20/2011		8/17/2011	
			SDG	240-2961-1		240-4088-1		UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1		240-2961-1	
			Matrix	WATER		WATER		WATER		Water		Water		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	1.60E-04		1.20E-04				6.30E-05	J			6.70E-05		8.00E-05		1.40E-04	
E1631	MERCURY	ug/L	N	0.0013		0.0012	J			0.00095	J			0.0018		0.00061	J	0.0044	
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N					0.04				0.018							
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					1.864				3.423							
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1612-05		OL-1613-05		OL-1632-05		OL-1633-05		OL-1425-06		OL-1448-06		OL-1474-06		OL-1612-06	
			Location	ISUS-14		ISUS-14		ISUS-14		ISUS-14		ISUS-18		ISUS-18		ISUS-18		ISUS-18	
			Sample Depth	49.5-49.5 FT		49.5-49.5 FT		49.5-49.5 ft		49.5-49.5 ft		59.4-59.4 FT		59.4-59.4 FT		59.4-59.4 Ft		61.1-61.1 FT	
			Sample Date	9/21/2011		9/21/2011		10/13/2011		10/13/2011		6/22/2011		7/20/2011		8/17/2011		9/21/2011	
			SDG	240-4088-1		UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1		240-2961-1		240-4088-1	
			Matrix	WATER		WATER		Water		Water		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	9.00E-05	J			3.40E-05	J			1.20E-04		1.10E-04		1.40E-04		1.70E-04	J
E1631	MERCURY	ug/L	N	0.0017	J			0.0005	J			0.0016		0.00048	J	0.00087		0.0013	J
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N			0.038				0.025									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N			1.482				1.639									
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1613-06		OL-1632-06		OL-1633-06		OL-1612-14		OL-1613-14		OL-1632-14		OL-1633-14		OL-1425-07	
			Location	ISUS-18		ISUS-18		ISUS-18		ISUS-19		ISUS-19		ISUS-19		ISUS-19		ISUS-21	
			Sample Depth	61.1-61.1 FT		61.05-61.05 ft		61.05-61.05 ft		47.9-47.9 FT		47.9-47.9 FT		47.85-47.85 ft		47.85-47.85 ft		29.7-29.7 FT	
			Sample Date	9/21/2011		10/13/2011		10/13/2011		9/21/2011		9/21/2011		10/13/2011		10/13/2011		6/22/2011	
			SDG	UFICHM2011-059		240-4870-1		UFICHM2011-064		240-4088-1		UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1	
			Matrix	WATER		Water		Water		WATER		WATER		Water		Water		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			9.10E-05	J			8.20E-05	J			6.00E-05	J			8.60E-05	J
E1631	MERCURY	ug/L	N			0.00085	J			0.0013	J			0.00065	J			0.002	
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.053				0.012	J			0.033				0.009	J		
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	4.223				2.812				1.315				1.715			
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1448-07		OL-1474-07		OL-1612-07		OL-1613-07		OL-1632-07		OL-1633-07		OL-1425-08		OL-1448-08	
			Location	ISUS-21		ISUS-21		ISUS-21		ISUS-21		ISUS-21		ISUS-21		ISUS-22		ISUS-22	
			Sample Depth	29.7-29.7 FT		39.6-39.6 Ft		39.6-39.6 FT		39.6-39.6 FT		39.6-39.6 ft		39.6-39.6 ft		51.2-51.2 FT		51.15-51.15 FT	
			Sample Date	7/20/2011		8/17/2011		9/21/2011		9/21/2011		10/13/2011		10/13/2011		6/22/2011		7/20/2011	
			SDG	240-2107-1		240-2961-1		240-4088-1		UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1	
			Matrix	Water		WATER		Water		Water		Water		Water		WATER		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	6.80E-05		8.40E-05		1.20E-04				8.50E-05	J			6.30E-05		1.00E-04	
E1631	MERCURY	ug/L	N	0.00038	J	0.00091		0.002	J			0.00066	J			0.0012		0.00049	J
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N							0.007	J			0.065					
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N							0.726				1.294					
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1474-08		OL-1612-08		OL-1613-08		OL-1632-08		OL-1633-08		OL-1425-09		OL-1448-09		OL-1474-09	
			Location	ISUS-22		ISUS-22		ISUS-22		ISUS-22		ISUS-22		ISUS-23		ISUS-23		ISUS-23	
			Sample Depth	52.8-52.8 Ft		52.8-52.8 FT		52.8-52.8 FT		52.8-52.8 ft		52.8-52.8 ft		51.2-51.2 Ft		51.15-51.15 FT		52.8-52.8 Ft	
			Sample Date	8/17/2011		9/21/2011		9/21/2011		10/13/2011		10/13/2011		6/22/2011		7/20/2011		8/17/2011	
			SDG	240-2961-1		240-4088-1		UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1		240-2961-1	
			Matrix	WATER		Water		Water		Water		Water		WATER		Water		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	2.20E-04		1.40E-04	J			7.80E-05	J			5.00E-05		8.20E-05		1.30E-04	
E1631	MERCURY	ug/L	N	0.0012		0.0012	J			0.00054	J			0.0018		0.00033	J	0.0011	
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/L	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N					0.047				0.012	J						
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N					2.755				2.493							
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N																

			Field Sample ID	OL-1612-09		OL-1613-09		OL-1632-09		OL-1633-09		OL-1425-10		OL-1448-10		OL-1474-10	
			Location	ISUS-23		ISUS-23		ISUS-23		ISUS-23		ISUS-26		ISUS-26		ISUS-26	
			Sample Depth	52.8-52.8 FT		52.8-52.8 FT		52.8-52.8 ft		52.8-52.8 ft		47.9-47.9 FT		46.2-46.2 FT		49.5-49.5 Ft	
			Sample Date	9/21/2011		9/21/2011		10/13/2011		10/13/2011		6/22/2011		7/20/2011		8/17/2011	
			SDG	240-4088-1		UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1		240-2961-1	
			Matrix	Water		Water		Water		Water		WATER		Water		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	1.10E-04	J			7.00E-05	J			5.80E-05		9.00E-05		2.60E-04	
E1631	MERCURY	ug/L	N	0.0012	J			0.00066	J			0.0016		0.00032	J	0.00087	
E1631	MERCURY	ug/L	Y														
UFI SOP	CALCIUM	mg/L	N														
UFI SOP	CHLORIDE	mg/L	N														
UFI SOP	CHLOROPHYLL-A	ug/L	N														
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y														
UFI SOP	FERROUS IRON (II)	ug/l	N														
UFI SOP	METHANE	ug/L	N														
UFI SOP	NITRITE	mg/l	N			0.031				0.009	J						
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N														
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N			1.298				1.825							
UFI SOP	SULFIDE	mg/L	N														
UFI SOP	TOTAL CARBON	mg/l	N														
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N														
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N														
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N														
UFI SOP	Total Suspended Solids	mg/L	N														

			Field Sample ID	OL-1612-10		OL-1613-10		OL-1632-10		OL-1633-10		OL-1425-11		OL-1448-11		OL-1474-11		OL-1612-11	
			Location	ISUS-26		ISUS-26		ISUS-26		ISUS-26		ISUS-27		ISUS-27		ISUS-27		ISUS-27	
			Sample Depth	49.5-49.5 FT		49.5-49.5 FT		49.5-49.5 ft		49.5-49.5 ft		56.1-56.1 FT		56.1-56.1 FT		56.1-56.1 Ft		56.8-56.8 FT	
			Sample Date	9/21/2011		9/21/2011		10/13/2011		10/13/2011		6/22/2011		7/20/2011		8/17/2011		9/21/2011	
			SDG	240-4088-1		UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1		240-2961-1		240-4088-1	
			Matrix	Water		Water		Water		Water		WATER		Water		WATER		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	8.80E-05	J			8.70E-05	J			6.30E-05		1.30E-04		2.30E-04		1.00E-04	J
E1631	MERCURY	ug/L	N	0.00089	J			0.00051	J			0.0011		0.00043	J	0.001		0.001	J
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/l	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N			0.037				0.01	J								
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N			3.017				1.732									
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1613-11		OL-1632-11		OL-1633-11		OL-1425-12		OL-1448-12		OL-1474-12		OL-1612-12		OL-1613-12	
			Location	ISUS-27		ISUS-27		ISUS-27		ISUS-29		ISUS-29		ISUS-29		ISUS-29		ISUS-29	
			Sample Depth	56.8-56.8 FT		56.76-56.76 ft		56.76-56.76 ft		49.5-49.5 FT		47.85-47.85 FT		49.5-49.5 Ft		49.5-49.5 FT		49.5-49.5 FT	
			Sample Date	9/21/2011		10/13/2011		10/13/2011		6/22/2011		7/20/2011		8/17/2011		9/21/2011		9/21/2011	
			SDG	UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1		240-2961-1		240-4088-1		UFICHM2011-059	
			Matrix	Water		Water		Water		WATER		Water		WATER		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			8.50E-05	J			4.50E-05	J	7.80E-05		1.20E-04		7.40E-05	J		
E1631	MERCURY	ug/L	N			0.00059	J			0.0014		0.00052	J	0.00078		0.0013	J		
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/l	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.04				0.008	J									0.03	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	2.123				1.945										1.659	
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1632-12		OL-1633-12		OL-1425-13		OL-1448-13		OL-1474-13		OL-1612-13		OL-1613-13		OL-1632-13	
			Location	ISUS-29		ISUS-29		ISUS-32		ISUS-32		ISUS-32		ISUS-32		ISUS-32		ISUS-32	
			Sample Depth	49.5-49.5 ft		49.5-49.5 ft		42.9-42.9 FT		46.2-46.2 FT		42.9-42.9 Ft		44.6-44.6 FT		44.6-44.6 FT		44.55-44.55 ft	
			Sample Date	10/13/2011		10/13/2011		6/22/2011		7/20/2011		8/17/2011		9/21/2011		9/21/2011		10/13/2011	
			SDG	240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1		240-2961-1		240-4088-1		UFICHM2011-059		240-4870-1	
			Matrix	Water		Water		WATER		Water		WATER		Water		Water		Water	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	7.60E-05	J			4.60E-05	J	7.40E-05		1.10E-04		6.40E-05	J			6.30E-05	J
E1631	MERCURY	ug/L	N	0.0006	J			0.0012		0.00068	J	0.0014		0.00068	J			0.00051	J
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/l	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N			0.008	J									0.011	J		
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N			1.564										1.059			
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1633-13		OL-1612-15		OL-1613-15		OL-1632-15		OL-1633-15		OL-1425-02		OL-1448-02		OL-1474-02	
			Location	ISUS-32		ISUS-45		ISUS-45		ISUS-45		ISUS-45		ISUS-5		ISUS-5		ISUS-5	
			Sample Depth	44.55-44.55 ft		46.2-46.2 FT		46.2-46.2 FT		46.2-46.2 ft		46.2-46.2 ft		39.6-39.6 FT		36.3-36.3 FT		39.6-39.6 Ft	
			Sample Date	10/13/2011		9/21/2011		9/21/2011		10/13/2011		10/13/2011		6/22/2011		7/20/2011		8/17/2011	
			SDG	UFICHM2011-064		240-4088-1		UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1		240-2961-1	
			Matrix	Water		Water		WATER		Water		Water		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			5.40E-05	J			7.10E-05	J			6.40E-05		6.00E-05		8.60E-05	
E1631	MERCURY	ug/L	N			0.00097	J			0.00069	J			0.0018		0.0022	J	0.0028	
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/l	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N	0.007	J			0.006	J			0.009	J						
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.508				1.522				1.886							
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1612-02		OL-1613-02		OL-1632-02		OL-1633-02		OL-1425-03		OL-1448-03		OL-1474-03		OL-1612-03	
			Location	ISUS-5		ISUS-5		ISUS-5		ISUS-5		ISUS-9		ISUS-9		ISUS-9		ISUS-9	
			Sample Depth	39.6-39.6 FT		39.6-39.6 FT		39.6-39.6 ft		39.6-39.6 ft		38-38 FT		26.4-26.4 FT		33-33 Ft		29.7-29.7 FT	
			Sample Date	9/21/2011		9/21/2011		10/13/2011		10/13/2011		6/22/2011		7/20/2011		8/17/2011		9/21/2011	
			SDG	240-4088-1		UFICHM2011-059		240-4870-1		UFICHM2011-064		240-1388-1		240-2107-1		240-2961-1		240-4088-1	
			Matrix	WATER		WATER		Water		Water		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N	1.10E-04	J			2.70E-05	J			6.10E-05		7.10E-05		7.90E-05		4.40E-05	J
E1631	MERCURY	ug/L	N	0.0048	J			0.0014	J			0.0013		0.0015	J	0.0014		0.0053	J
E1631	MERCURY	ug/L	Y																
UFI SOP	CALCIUM	mg/l	N																
UFI SOP	CHLORIDE	mg/L	N																
UFI SOP	CHLOROPHYLL-A	ug/L	N																
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y																
UFI SOP	FERROUS IRON (II)	ug/l	N																
UFI SOP	METHANE	ug/L	N																
UFI SOP	NITRITE	mg/l	N			0.019				0.039									
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N																
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N			1.269				1.471									
UFI SOP	SULFIDE	mg/L	N																
UFI SOP	TOTAL CARBON	mg/l	N																
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N																
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N																
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N																
UFI SOP	Total Suspended Solids	mg/l	N																

			Field Sample ID	OL-1613-03		OL-1632-03		OL-1633-03	
			Location	ISUS-9		ISUS-9		ISUS-9	
			Sample Depth	29.7-29.7 FT		33-33 ft		33-33 ft	
			Sample Date	9/21/2011		10/13/2011		10/13/2011	
			SDG	UFICHM2011-059		240-4870-1		UFICHM2011-064	
			Matrix	WATER		Water		Water	
			Sample Purpose	Regular sample		Field duplicate		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered						
E1630	METHYL MERCURY	ug/L	N			4.20E-05	J		
E1631	MERCURY	ug/L	N			0.00071	J		
E1631	MERCURY	ug/L	Y						
UFI SOP	CALCIUM	mg/l	N						
UFI SOP	CHLORIDE	mg/L	N						
UFI SOP	CHLOROPHYLL-A	ug/L	N						
UFI SOP	DISSOLVED ORGANIC CARBON	mg/L	Y						
UFI SOP	FERROUS IRON (II)	ug/l	N						
UFI SOP	METHANE	ug/L	N						
UFI SOP	NITRITE	mg/l	N	0.044				0.086	
UFI SOP	NITROGEN, AMMONIA (AS N)	mg/L	N						
UFI SOP	NITROGEN, NITRATE-NITRITE	mg/L	N	1.497				1.564	
UFI SOP	SULFIDE	mg/L	N						
UFI SOP	TOTAL CARBON	mg/l	N						
UFI SOP	TOTAL FIXED SOLIDS	mg/l	N						
UFI SOP	TOTAL INORGANIC CARBON	mg/l	N						
UFI SOP	TOTAL ORGANIC CARBON	mg/l	N						
UFI SOP	Total Suspended Solids	mg/l	N						

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR ZOOPLANKTON

Validated Book 1 Zooplankton Samples

		Field Sample ID	OL-1410-01		OL-1415-01		OL-1424-01		OL-1436-01		OL-1447-01		OL-1460-01		OL-1470-01	
		Location	South Deep		South Deep		South Deep		South Deep		South Deep		South Deep		South Deep	
		Sample Depth														
		Sample Date	5/23/2011		6/6/2011		6/20/2011		7/5/2011		7/18/2011		8/1/2011		8/15/2011	
		SDG	240-394-1		240-915-1		240-1300-1		240-1708-1		240-2042-1		240-2410-1		240-2882-1	
		Matrix	TISSUE		TISSUE		Tissue		Tissue		Tissue		Tissue		Tissue	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton	
Method	Parameter Name	Units														
E1630	METHYL MERCURY	ng/g	1.2		3.2		0.8		1.7		2.1		9.8		3.4	
E1631	MERCURY	mg/kg	0.13		0.25		0.07		0.055		0.24		0.28		0.14	

		Field Sample ID	OL-1472-01		OL-1484-01		OL-1491-01		OL-1604-01		OL-1608-01		OL-1617-01		OL-1619-01		
		Location	South Deep		South Deep		South Deep		South Deep		South Deep		South Deep		South Deep		
		Sample Depth															
		Sample Date	8/15/2011		8/29/2011		9/6/2011		9/12/2011		9/19/2011		9/26/2011		9/26/2011		
		SDG	1134020		240-3327-1		240-3547-1		240-3761-1		240-4010-1		240-4231-1		1140009		
		Matrix	Tissue		Tissue		Tissue		Tissue		Tissue		Tissue		Tissue		
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		
		Sample Type	Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		
Method	Parameter Name	Units															
E1630	METHYL MERCURY	ng/g	6.5		6.5		3.5		7		7.8		5.6		5.2		
E1631	MERCURY	mg/kg	0.118		0.17		0.11		0.1		0.22		0.18		0.0875		

		Field Sample ID	OL-1624-01		OL-1631-01		OL-1637-01		OL-1644-01		OL-1649-01		OL-1656-01		OL-1664-01	
		Location	South Deep		South Deep		South Deep		South Deep		South Deep		South Deep		South Deep	
		Sample Depth														
		Sample Date	10/3/2011		10/10/2011		10/18/2011		10/24/2011		10/31/2011		11/7/2011		11/21/2011	
		SDG	240-4465-1		240-4728-1		240-4951-1		240-5212-1		240-5419-1		240-5673-1		240-6182-1	
		Matrix	Tissue		Tissue		Tissue		Tissue		Tissue		TISSUE		Tissue	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton	
Method	Parameter Name	Units														
E1630	METHYL MERCURY	ng/g	9.5		13		6.9		8.3		7.3		11		10	J
E1631	MERCURY	mg/kg	0.14		0.13		0.35		0.085		0.1		0.082		0.052	

		Field Sample ID	OL-1410-02		OL-1415-02		OL-1424-02		OL-1436-02		OL-1447-02		OL-1460-02		OL-1470-02		
		Location	North Deep		North Deep		North Deep		North Deep		North Deep		North Deep		North Deep		
		Sample Depth															
		Sample Date	5/23/2011		6/6/2011		6/20/2011		7/5/2011		7/18/2011		8/1/2011		8/15/2011		
		SDG	240-394-1		240-915-1		240-1300-1		240-1708-1		240-2042-1		240-2410-1		240-2882-1		
		Matrix	TISSUE		TISSUE		Tissue		Tissue		Tissue		Tissue		Tissue		
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		
		Sample Type	Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		
Method	Parameter Name	Units															
E1630	METHYL MERCURY	ng/g	0.36		2.6		0.85		3.1		3.7		8.8		3.3		
E1631	MERCURY	mg/kg	0.054		0.13		0.19		0.11		0.13		0.18		0.1		

		Field Sample ID	OL-1484-02		OL-1491-02		OL-1604-02		OL-1608-02		OL-1617-02		OL-1624-02		OL-1631-02		
		Location	North Deep		North Deep		North Deep		North Deep		North Deep		North Deep		North Deep		
		Sample Depth															
		Sample Date	8/29/2011		9/6/2011		9/12/2011		9/19/2011		9/26/2011		10/3/2011		10/10/2011		
		SDG	240-3327-1		240-3547-1		240-3761-1		240-4010-1		240-4231-1		240-4465-1		240-4728-1		
		Matrix	Tissue		Tissue		Tissue		Tissue		Tissue		Tissue		Tissue		
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		
		Sample Type	Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		
Method	Parameter Name	Units															
E1630	METHYL MERCURY	ng/g	5.3		4		4.5		4.4		7.1		8.1		5.6		
E1631	MERCURY	mg/kg	0.17		0.1		0.079		0.23		0.17		0.19		0.25		

		Field Sample ID	OL-1637-02		OL-1644-02		OL-1649-02		OL-1656-02		OL-1664-02	
		Location	North Deep		North Deep		North Deep		North Deep		North Deep	
		Sample Depth										
		Sample Date	10/18/2011		10/24/2011		10/31/2011		11/7/2011		11/21/2011	
		SDG	240-4951-1		240-5212-1		240-5419-1		240-5673-1		240-6182-1	
		Matrix	Tissue		Tissue		Tissue		TISSUE		Tissue	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton		Tissue - zooplankton	
Method	Parameter Name	Units										
E1630	METHYL MERCURY	ng/g	3		6.8		12		8.8		9.4	J
E1631	MERCURY	mg/kg	0.25		0.15		0.28		0.049		0.056	

ATTACHMENT A-3

VALIDATED LABORATORY DATA FOR SEDIMENT TRAP SAMPLES

			Field Sample ID	OL-1408-01	OL-1408-02	OL-1408-03	OL-1456-07	OL-1411-01	OL-1411-02	OL-1411-03	OL-1413-01
			Location	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S
			Sample Depth	33-33 FT	33-33 FT	33-33 FT	33-33 Ft	33-33 FT	33-33 FT	33-33 FT	33-33 FT
			Sample Date	5/23/2011	5/23/2011	5/23/2011	5/23/2011	5/31/2011	5/31/2011	5/31/2011	6/6/2011
			SDG	UFICHM2011-013	UFICHM2011-013	UFICHM2011-013	240-2294-1	UFICHM2011-015	UFICHM2011-015	UFICHM2011-015	UFICHM2011-015
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	Regular sample	Field duplicate	Second field duplicate	Regular sample	Regular sample	Field duplicate	Second field duplicate	Regular sample
			Sample Type	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N				0.69				
UFI SOP	CALCIUM	mg/L	N	179.9	148.2	185		586.5	578.2	578.2	678.1
UFI SOP	TOTAL CARBON	mg/l	N	95.4	126.9	118.5		254.3	275.8	273.1	340.1
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	916	616	1000		2088	2016	2220	2840
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	77.4	52.2	86.9		103.4	93.9	111.4	119.8
UFI SOP	Total Suspended Solids	mg/L	N	1172	760	1276		2424	2324	2556	3240

			Field Sample ID	OL-1413-02	OL-1413-03	OL-1456-08	OL-1473-01	OL-1416-01	OL-1416-02	OL-1416-03	OL-1422-01
			Location	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S
			Sample Depth	33-33 FT	33-33 FT	33-33 Ft	33-33 Ft	33-33 FT	33-33 FT	33-33 FT	33-33 Ft
			Sample Date	6/6/2011	6/6/2011	6/6/2011	6/6/2011	6/13/2011	6/13/2011	6/13/2011	6/20/2011
			SDG	UFICHM2011-015	UFICHM2011-015	240-2294-1	1134021	UFICHM2011-022	UFICHM2011-022	UFICHM2011-022	UFICHM2011-022
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	Field duplicate	econd field duplicate	Regular sample	Regular sample	Regular sample	Field duplicate	econd field duplicate	Regular sample
			Sample Type	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N			1.4	1.45				
UFI SOP	CALCIUM	mg/L	N	710.3	656.7			748.4	724.6	734.1	402
UFI SOP	TOTAL CARBON	mg/l	N	329.9	326.2			333.1	271.4	302.3	151.2
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	2804	2780			2384	2588	2320	1072
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	122	109.9			87.1	73.3	85.8	69
UFI SOP	Total Suspended Solids	mg/L	N	3184	3152			2676	2880	2560	1264

			Field Sample ID	OL-1422-02	OL-1422-03	OL-1456-09	OL-1427-01	OL-1427-02	OL-1427-03	OL-1434-01	OL-1434-02
			Location	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S
			Sample Depth	33-33 Ft	33-33 Ft	33-33 Ft	33-33 Ft	33-33 Ft	33-33 Ft	33-33 FT	33-33 FT
			Sample Date	6/20/2011	6/20/2011	6/20/2011	6/27/2011	6/27/2011	6/27/2011	7/5/2011	7/5/2011
			SDG	UFICHM2011-022	UFICHM2011-022	240-2294-1	UFICHM2011-023	UFICHM2011-023	UFICHM2011-023	UFICHM2011-026	UFICHM2011-026
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	Field duplicate	econd field duplicate	Regular sample	Regular sample	Field duplicate	econd field duplicate	Regular sample	Field duplicate ec
			Sample Type	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N			0.92					
UFI SOP	CALCIUM	mg/L	N	410.4	462.7		751.8	859.4	888.5	315.3	331
UFI SOP	TOTAL CARBON	mg/l	N	141	188.2		275.9	260.1	269.8	110.6	145.5
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	1340	1900		2168	2368	2520	1764	1728
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	53.8	38		50.9	55.9	65.7	102.7	90.5
UFI SOP	Total Suspended Solids	mg/L	N	1556	2272		2348	2600	2732	2168	2116

			Field Sample ID	OL-1434-03	OL-1456-10	OL-1438-01	OL-1438-02	OL-1438-03	OL-1445-01	OL-1445-02	OL-1445-03
			Location	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S
			Sample Depth	33-33 FT	33-33 Ft	33-33 FT	33-33 FT	33-33 FT	33-33 FT	33-33 FT	33-33 FT
			Sample Date	7/5/2011	7/5/2011	7/11/2011	7/11/2011	7/11/2011	7/18/2011	7/18/2011	7/18/2011
			SDG	UFICHM2011-026	240-2294-1	UFICHM2011-027	UFICHM2011-027	UFICHM2011-027	UFICHM2011-030	UFICHM2011-030	UFICHM2011-030
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	ond field duplicate	Regular sample	Regular sample	Field duplicate	econd field duplicate	Regular sample	Field duplicate	econd field duplicate
			Sample Type	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N		1.6						
UFI SOP	CALCIUM	mg/L	N	306.8		445.9	430.2	416.8	1203.7	945.3	959.8
UFI SOP	TOTAL CARBON	mg/l	N	148.6		208.2	173.2	161.6	593.7	414.5	445
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	1492		1320	1228	1548	3348	3256	3676
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	90.5		74.6	75.2	65.1	131.9	127.9	127.5
UFI SOP	Total Suspended Solids	mg/L	N	1780		1552	1420	1792	3704	3588	4072

			Field Sample ID	OL-1456-11		OL-1450-01		OL-1450-02		OL-1450-03		OL-1458-01		OL-1458-02		OL-1458-03		OL-1620-01	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	33-33 Ft		33-33 FT		33-33 FT		33-33 FT		33-33 FT		33-33 FT		33-33 FT		33-33 FT	
			Sample Date	7/18/2011		7/25/2011		7/25/2011		7/25/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011	
			SDG	240-2294-1		UFICHM2011-032		UFICHM2011-032		UFICHM2011-032		UFICHM2011-037		UFICHM2011-037		UFICHM2011-037		240-4372-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		econd field duplicate		Regular sample		Field duplicate		econd field duplicate		Regular sample	
			Sample Type	SLURRY		SLURRY		SLURRY		SLURRY		SLURRY		SLURRY		SLURRY		SLURRY	
Method	Parameter Name	Units	Filtered																
E1631	MERCURY	ug/L	N	3.5														1.4	
UFI SOP	CALCIUM	mg/L	N			746.2		764.1		844.4		377.3		390.5		392.9			
UFI SOP	TOTAL CARBON	mg/l	N			379.5		312.9		347.3		214.9		205.2		210.9			
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N			2228		2412		2292		1564	J	1392	J	2438.8	J		
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N			105.7		101.5		123.8		111.2		110.4		110.4			
UFI SOP	Total Suspended Solids	mg/L	N			2476		2696		2596		1924		1764		2842.8			

			Field Sample ID	OL-1462-01		OL-1462-02		OL-1462-03		OL-1468-01		OL-1468-02		OL-1468-03		OL-1620-02		OL-1476-01	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	33-33 FT		33-33 FT		33-33 FT		33-33 FT		33-33 FT		33-33 FT		33-33 FT		33-33 FT	
			Sample Date	8/8/2011		8/8/2011		8/8/2011		8/15/2011		8/15/2011		8/15/2011		8/15/2011		8/22/2011	
			SDG	UFICHM2011-038		UFICHM2011-038		UFICHM2011-038		UFICHM2011-041		UFICHM2011-041		UFICHM2011-041		240-4372-1		UFICHM2011-043	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Field duplicate		Second field duplicate		Regular sample		Field duplicate		Second field duplicate		Regular sample		Regular sample	
			Sample Type	SLURRY		SLURRY		SLURRY		SLURRY		SLURRY		SLURRY		SLURRY		SLURRY	
Method	Parameter Name	Units	Filtered																
E1631	MERCURY	ug/L	N													0.92			
UFI SOP	CALCIUM	mg/L	N	222.8		225.2		236		218		219.2		294.6				353.5	
UFI SOP	TOTAL CARBON	mg/l	N	208.5	J	155.5	J	129.9	J	123.2		117.5		133.8				116.4	
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	804		660		624		824		776		860				804	
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	83.8		87.9		84.8		92.1		83.1		91.6				59.1	
UFI SOP	Total Suspended Solids	mg/L	N	1100		952		932		1096		1020		1236				1056	

			Field Sample ID	OL-1476-02	OL-1476-03	OL-1482-01	OL-1482-02	OL-1482-03	OL-1620-03	OL-1489-01	OL-1489-02
			Location	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S
			Sample Depth	33-33 FT	33-33 FT	33-33 FT	33-33 FT	33-33 FT	33-33 FT	33-33 Ft	33-33 Ft
			Sample Date	8/22/2011	8/22/2011	8/29/2011	8/29/2011	8/29/2011	8/29/2011	9/6/2011	9/6/2011
			SDG	UFICHM2011-043	UFICHM2011-043	UFICHM2011-047	UFICHM2011-047	UFICHM2011-047	240-4372-1	UFICHM2011-049	UFICHM2011-049
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	Field duplicate	econd field duplicate	Regular sample	Field duplicate	econd field duplicate	Regular sample	Regular sample	Field duplicate ec
			Sample Type	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N						1.3		
UFI SOP	CALCIUM	mg/L	N	352.3	380.6	247.3	267.3	262.6		239	253.2
UFI SOP	TOTAL CARBON	mg/l	N	133.5	127	116.7	118.9	142.8		123.2	143.1
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	816	848	844	964	1264		1360	1080
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	59.9	60.4	76	77.7	85.8		81.5	94.4
UFI SOP	Total Suspended Solids	mg/L	N	1088	1180	1080	1172	1716		1668	1284

			Field Sample ID	OL-1489-03		OL-1620-04		OL-1602-01		OL-1602-02		OL-1602-03		OL-1620-05		OL-1606-01		OL-1606-02	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	33-33 Ft		33-33 FT		33-33 Ft		33-33 Ft		33-33 Ft		33-33 FT		33-33 Ft		33-33 Ft	
			Sample Date	9/6/2011		9/6/2011		9/12/2011		9/12/2011		9/12/2011		9/12/2011		9/19/2011		9/19/2011	
			SDG	UFICHM2011-049		240-4372-1		UFICHM2011-052		UFICHM2011-052		UFICHM2011-052		240-4372-1		UFICHM2011-057		UFICHM2011-057	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	ond field duplicate		Regular sample		Regular sample		Field duplicate		econd field duplicate		Regular sample		Regular sample		Field duplicate	ec
			Sample Type	SLURRY		SLURRY		SLURRY		SLURRY		SLURRY		SLURRY		SLURRY		SLURRY	
Method	Parameter Name	Units	Filtered																
E1631	MERCURY	ug/L	N			1.2								0.78					
UFI SOP	CALCIUM	mg/L	N	278				229.6		306.3		267.3				168.9		187.9	
UFI SOP	TOTAL CARBON	mg/l	N	159.7				95.4		125.9		148.3				107.9		105.3	
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	1084				1628		1808		1860				916		992	
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	99.6				63.2	J	139.3	J	113.9	J			85.8		81.7	
UFI SOP	Total Suspended Solids	mg/L	N	1360				1836		2144		2164				1208		1184	

			Field Sample ID	OL-1606-03	OL-1620-06	OL-1615-01	OL-1615-02	OL-1615-03	OL-1620-07	OL-1622-01	OL-1622-02
			Location	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S
			Sample Depth	33-33 Ft	33-33 FT	33-33 Ft	33-33 Ft	33-33 Ft	33-33 FT	33-33 Ft	33-33 Ft
			Sample Date	9/19/2011	9/19/2011	9/26/2011	9/26/2011	9/26/2011	9/26/2011	10/3/2011	10/3/2011
			SDG	UFICHM2011-057	240-4372-1	UFICHM2011-060	UFICHM2011-060	UFICHM2011-060	240-4372-1	UFICHM2011-061	UFICHM2011-061
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	ond field duplicate	Regular sample	Regular sample	Field duplicate	econd field duplicate	Regular sample	Regular sample	Field duplicate ec
			Sample Type	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N		0.84				0.78		
UFI SOP	CALCIUM	mg/L	N	189.1		223.4	187.9	187.9		163.8	163.8
UFI SOP	TOTAL CARBON	mg/l	N	152.7		96.1	85.3	105.5		79.1	82.6
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	956		620	820	760		468	548
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	78.8		75.3	69.7	73.4		72.2	69.8
UFI SOP	Total Suspended Solids	mg/L	N	1200		804	1068	992		648	752

			Field Sample ID	OL-1622-03		OL-1629-01		OL-1629-02		OL-1629-03	
			Location	DEEP_S		DEEP_S		DEEP_S		DEEP_S	
			Sample Depth	33-33 Ft		33-33 Ft		33-33 Ft		33-33 Ft	
			Sample Date	10/3/2011		10/10/2011		10/10/2011		10/10/2011	
			SDG	UFICHM2011-061		UFICHM2011-063		UFICHM2011-063		UFICHM2011-063	
			Matrix	WATER		WATER		WATER		WATER	
			Sample Purpose	ɔnd field duplicate		Regular sample		Field duplicate		Second field duplicate	
			Sample Type	SLURRY		SLURRY		SLURRY		SLURRY	
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N								
UFI SOP	CALCIUM	mg/L	N	173.9		189.1		179		176.5	
UFI SOP	TOTAL CARBON	mg/l	N	89.3		100.5		82.4		96.2	
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	556		860		732		876	
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	74.4		79		61.8		72.6	
UFI SOP	Total Suspended Solids	mg/L	N	756		1084		956		1112	

			Field Sample ID	OL-1635-01	OL-1635-02	OL-1635-03	OL-1668-01	OL-1668-02	OL-1668-03	OL-1642-01	OL-1642-02
			Location	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S
			Sample Depth	33-33 Ft	33-33 Ft	33-33 Ft	33-33 Ft	33-33 Ft	33-33 Ft	33-33 Ft	33-33 Ft
			Sample Date	10/17/2011	10/17/2011	10/17/2011	10/3/2011	10/10/2011	10/17/2011	10/24/2011	10/24/2011
			SDG	UFICHM2011-066	UFICHM2011-066	UFICHM2011-066	240-6363-1	240-6363-1	240-6363-1	UFICHM2011-069	UFICHM2011-069
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	Regular sample	Field duplicate	Second field duplicate	Regular sample	Regular sample	Regular sample	Regular sample	Field duplicate
			Sample Type	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N				0.53	1	0.62		
UFI SOP	CALCIUM	mg/L	N	209.1	230.8	194.6				243.8	234.4
UFI SOP	TOTAL CARBON	mg/l	N	151.2	135.6	127.7				163.4	150.8
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	1224	1032	1000				1468	1380
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	112.5	108.2	99.4				127.8	114.2
UFI SOP	Total Suspended Solids	mg/L	N	1600	1320	1304				1756	1660

			Field Sample ID	OL-1642-03	OL-1668-04	OL-1647-01	OL-1647-02	OL-1647-03	OL-1654-01	OL-1654-02	OL-1654-03
			Location	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S
			Sample Depth	33-33 Ft	33-33 Ft	33-33 FT	33-33 FT	33-33 FT	33-33 Ft	33-33 Ft	33-33 Ft
			Sample Date	10/24/2011	10/24/2011	10/31/2011	10/31/2011	10/31/2011	11/7/2011	11/7/2011	11/7/2011
			SDG	UFICHM2011-069	240-6363-1	UFICHM2011-070	UFICHM2011-070	UFICHM2011-070	UFICHM2011-074	UFICHM2011-074	UFICHM2011-074
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	ond field duplicate	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field duplicate	econd field duplicate
			Sample Type	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N		1.2						
UFI SOP	CALCIUM	mg/L	N	252.1		301.7	279.3	215.5	206	222.6	211.9
UFI SOP	TOTAL CARBON	mg/l	N	177.3		190.9	251	175.5	127.3	138.4	130.5
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N	1496		1764	2012	2156	1284	1528	1280
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N	125		156.6	134.9	88.5	114.5	105.2	96.9
UFI SOP	Total Suspended Solids	mg/L	N	1780		2176	2476	2548	1600	1844	1584

			Field Sample ID	OL-1668-05	OL-1660-01	OL-1660-02	OL-1660-03	OL-1662-01	OL-1662-02	OL-1662-03	OL-1668-06
			Location	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S	DEEP_S
			Sample Depth	33-33 Ft	33-33 Ft	33-33 Ft	33-33 Ft	33-33 FT	33-33 FT	33-33 FT	33-33 Ft
			Sample Date	11/7/2011	11/14/2011	11/14/2011	11/14/2011	11/21/2011	11/21/2011	11/21/2011	11/21/2011
			SDG	240-6363-1	UFICHM2011-077	UFICHM2011-077	UFICHM2011-077	UFICHM2011-077	UFICHM2011-077	UFICHM2011-077	240-6363-1
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	Regular sample	Regular sample	Field duplicate	econd field duplicate	Regular sample	Field duplicate	econd field duplicate	Regular sample
			Sample Type	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY	SLURRY
Method	Parameter Name	Units	Filtered								
E1631	MERCURY	ug/L	N	0.65							2
UFI SOP	CALCIUM	mg/L	N		258	263.7	271.5	402.9	373.7	365.9	
UFI SOP	TOTAL CARBON	mg/l	N		120.7	124.6	184.6	251	214.1	265.7	
UFI SOP	TOTAL FIXED SOLIDS	mg/L	N		1436	1528	1372	2608	2680		
UFI SOP	TOTAL ORGANIC CARBON	mg/L	N		92.4	90.1	93.6	143.5	142.1	141.1	
UFI SOP	Total Suspended Solids	mg/L	N		1728	1872	1664	3092	3132	2976	

ATTACHMENT A-4

VALIDATED SPLIT SAMPLES

Validated Split Sample Results

Location ID	Sample Date	Sample Depth	Matrix	Purpose	Parameter Units Samp Type	TAL-NCANT MERCURY ug/l	Brooks Rand MERCURY ug/l	Precision %RPD	TAL-NCANT METHYL MERCURY ug/l	Brooks Rand METHYL MERCURY ug/l	Precision %RPD
DEEP_S	8/15/2011	6.6-6.6 FT	WATER	REG	W-SW	0.0017	0.0014 J	19.35	0.00011	0.000072	41.76
DEEP_S	8/15/2011	6.6-6.6 FT	WATER	FD	W-SW	0.0012	0.00261 J	74.02	0.000095	0.000078	19.65
DEEP_S	8/15/2011	39.6-39.6 FT	WATER	REG	W-SW	0.001	0.00127	23.79	0.000095	0.000068	33.13
DEEP_S	8/15/2011	52.8-52.8 FT	Water	REG	W-SW	0.00081	0.00198	83.87	0.00013	0.000103	23.18
DEEP_S	8/15/2011	59.4-59.4 FT	Water	REG	W-SW	0.00085	0.00181	72.18	0.00021	0.000159	27.64
DEEP_S	9/26/2011	6.6-6.6 FT	WATER	REG	W-SW	0.00062	0.00067	7.75	0.000071 J	0.000083	15.58
DEEP_S	9/26/2011	6.6-6.6 FT	WATER	FD	W-SW	0.00081	0.0009	10.53	0.000052 J	0.000078	40.00
DEEP_S	9/26/2011	39.6-39.6 FT	WATER	REG	W-SW	0.0011	0.00174	45.07	0.000038 J	0.000073	63.06
DEEP_S	9/26/2011	52.8-52.8 FT	Water	REG	W-SW	0.0011	0.00156	34.59	0.00022 J	0.000097	77.60
DEEP_S	9/26/2011	59.4-59.4 FT	Water	REG	W-SW	0.0012	0.00221	59.24	0.00013 J	0.000109	17.57
W1	8/15/2011		Tissue	REG	T-ZP	0.14	0.118	17.05	3.4	6.5	62.63
W1	9/26/2011		Tissue	REG	T-ZP	0.18	0.0875	69.16	5.6	5.2	7.41
DEEP_S	6/6/2011	33 FT	WATER	REG	SLURRY	1.4	1.45	3.51			

APPENDIX B:

DATA USABILITY SUMMARY REPORT

ONONDAGA LAKE BASELINE MONITORING BOOK 2 FOR 2011: FISH

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SEPTEMBER 2013

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LIST OF ATTACHMENTS

ATTACHMENT A – VALIDATED LABORATORY DATA FOR FISH SAMPLES

SECTION B1

DATA USABILITY SUMMARY

Fish samples were collected as part of the Book 2 baseline monitoring efforts for Onondaga Lake from May 25, 2011 through August 4, 2011. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Onondaga Lake Baseline Monitoring Work Plan
- Onondaga Lake Baseline Monitoring QAPP (Appendix B of the Work Plan)
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review

The Book 2 samples were collected by Anchor QEA with some assistance from Parsons for sample processing.

The analytical laboratory for this project was Test America Laboratories (TAL). This laboratory is certified by the State of New York to conduct laboratory analyses for this project through the National Environmental Laboratory Accreditation Conference (NELAC) and New York Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP).

B1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 13 to 139 days for the samples.

The data packages received from the laboratories were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized in Section B2.

B1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, properly preserved, shipped under a COC record, and received at the laboratories within one day of sampling. All samples were received intact and in good condition at TAL.

B1.3 LABORATORY ANALYTICAL METHODS

The fish samples were collected from the site and analyzed for hexachlorobenzene, 4,4'-DDT and metabolites, polychlorinated biphenyls (PCBs), dioxins and furans, mercury, and percent lipids. Summaries of deviations from the Work Plan, QAPP, or USEPA Region II SOPs concerning these laboratory analyses are presented in Subsections B1.3.1 through B1.3.4. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) are discussed for each analytical method by matrix in Section B2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given
"UJ" - estimated and not detected at the value given
"J" - estimated at the value given
"N" - presumptive evidence at the value given
"R" - unusable value

The validated laboratory data were tabulated and are presented in Attachment A.

B1.3.1 Mercury Analysis

Fish samples collected from the site were analyzed by TAL for mercury using the USEPA SW846 7471A analytical method. The reported results for the mercury samples did not require qualification resulting from data validation. The reported mercury analytical results were considered 100 percent complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

B1.3.2 PCB Analysis

Fish samples collected from the site were analyzed by TAL for PCBs using the USEPA SW846 8082 analytical method. The reported results for the PCB samples did not require qualification resulting from data validation. The reported PCB analytical results were considered 100 percent complete with all data considered usable and valid as reported by TAL. PARCC requirements were met.

B1.3.3 Hexachlorobenzene, 4,4'-DDT, and Metabolites Analysis

Fish samples collected from the site were analyzed by TAL for hexachlorobenzene, 4,4'-DDT, and metabolites using the USEPA SW846 8081A analytical method. Certain reported results for these samples were qualified as estimated based upon matrix spike/matrix spike duplicate (MS/MSD) recoveries and sample result identifications. The reported analytical results for these samples were considered 100 percent complete with all data considered usable and valid as reported by TAL. PARCC requirements were met.

B1.3.4 Dioxins and Furans

Fish samples collected from the site were analyzed by TAL for dioxins and furans using the USEPA 1613B analytical method. The reported results for these samples did not require estimation qualification resulting from data validation. The reported analytical results for these samples were considered 100% complete with all data considered usable and valid as reported by TAL. PARCC requirements were met.

B1.3.5 Percent Lipids

Fish samples collected from the site were analyzed by TAL for percent lipids using the TAL SOP analytical method. The reported results for these samples did not require qualification resulting from data validation. The reported analytical results for these samples were considered 100 percent complete with all data considered usable and valid as reported by TAL. PARCC requirements were met.

SECTION B2

DATA VALIDATION REPORT

B2.1 FISH

Data review has been completed for data packages generated by TAL containing fish samples collected from the site. The specific samples contained in these data packages, the analyses performed, and validated laboratory data are tabulated and presented in Attachment A. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the project work plan and QAPP as well as the USEPA Region II SOPs HW-44, Revision 1 "Data Validation SOP of Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B"; HW-45, Revision 1 "Data Validation SOP of Organic Analysis of PCBs by Gas Chromatography SW-846 Method 8082A; HW-2, Revision 13 "Evaluation of Metals Data for the CLP Program"; and HW-19, Revision 1 "USEPA Region II Data Validation SOP for SW-846 Method 8290 Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) By High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry (HRGC/HRMS)". This data validation and usability report is presented by analysis type.

B2.1.1 Mercury

The following items were reviewed for compliancy in the mercury analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, and laboratory preparation blank contamination
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Interference check sample recoveries
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

<u>Usability</u>

All mercury sample results for the fish were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The mercury data presented by TAL were 100 percent complete (i.e., usable). The validated mercury laboratory data are tabulated and presented in Attachment A.

B2.1.2 PCBs

The following items were reviewed for compliancy in the PCB analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- Chromatogram quality
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, MS/MSD precision and accuracy, and LCS recoveries as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits for the project samples with the exception of the high tetrachloro-m-xylene recovery (QC limit 35-140%R) in samples OL-1504-16F (153%R) and OL-1505-01F (153%R). Validation qualification of these samples was not required since only one surrogate exceeded criteria.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent differences; RPDs) and accuracy (percent recoveries; %Rs) measurements of spiked compounds were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS/MSD accuracy for PCB-1016 (131%R/132%R; QC limit 55-130%R) associated with the parent sample OL-1504-09F. Validation qualification of the parent sample was not required since this compound was not detected.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for PCB-1016 (137%R; QC limit 55-130%R) associated with samples OL-1504-01F, -05F, -09F, -10F, -11F, -12F, -13F, -14F, -15F, -16F, -17F, -19F, -20F, and OL-1505-01F. Validation qualification was not required since this compound was not detected.

Usability

All PCB sample results for the fish were considered usable following data validation. All total PCB sample results were calculated in accordance to the analytical method.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The PCB data presented by TAL were 100 percent complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A.

B2.1.3 Hexachlorobenzene, 4,4'-DDT, and Metabolites

The following items were reviewed for compliancy in the hexachlorobenzene, 4,4'-DDT, and metabolites analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- 4,4'-DDT breakdown
- Chromatogram quality
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exceptions of surrogate recoveries, MS/MSD precision and accuracy, and sample result identifications as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the low tetrachloro-m-xylene recovery (QC limit 45-130%R) on the primary quantitation column in sample OL-1502-06F (40%R) and the high decachlorobiphenyl recovery (QC limit 45-130%R) on the second confirmatory column in sample OL-1506-04F (147%R). Validation qualification was not required for these samples since only one surrogate was outside criteria.

MS/MSD Precision and Accuracy

All MS/MSD precision and accuracy measurements for spiked compounds were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MSD accuracy result for 4,4'-DDD (65%R; QC limit 70-135%R) and high precision for 4,4'-DDD (34%RPD; QC limit 0-20%RPD) during the spiked analyses of sample OL-1507-02F; and the low MS accuracy result for 4,4'-DDE (28%R; QC limit 70-133%R) and the low MS/MSD accuracy results for 4,4'-DDT (-7%R/7%R; QC limit 61-126%R) and 4,4'-DDD (55%R/0%R; QC limit 70-135%R) during the spiked analyses of sample OL-1508-01F. Validation qualification of the parent sample OL-1507-02F was not required based upon one accuracy result outside the QC limit. However, the positive 4,4'-DDT result and the nondetected 4,4'-DDD result for parent sample OL-1508-01F were considered estimated, possibly biased low, and qualified "J" and "UJ", respectively.

Sample Result Identifications

Positive sample results were verified and confirmed present using dual column confirmation. The precision (%RPD) between the results on the dual columns was less than 25% with the exception of hexachlorobenzene for samples OL-1504-14F (58.1%RPD) and -16F (51.4%RPD); 4,4'-DDE for samples OL-1500-12F (65.8%RPD), OL-1501-05F (30.6%RPD), OL-1502-01F (68.3%RPD), -04F (55.3%RPD), -20F (145.3%RPD), OL-1503-01F (131%RPD), -02F (127.7%RPD), -04F (90.7%RPD), -05F (101.3%RPD), OL-1505-01F (63.5%RPD), OL-1504-01F (112.9%RPD), -09F (67.2%RPD), -10F (72.2%RPD), -11F (74.2%RPD), -12F (68.5%RPD), -13F (71.9%RPD), -15F (44.9%RPD), -16F (57.2%RPD), -19F (66%RPD), -20F (75.2%RPD), OL-1506-01F (50.2%RPD), -03F (34.7%RPD), -04F (28.5%RPD), OL-1507-01F (39.8%RPD), -02F (48.7%RPD), -03F (39.5%RPD), OL-1508-01F (33%RPD), -02F (35.6%RPD), and -03F (34.2%RPD); 4,4'-DDT for samples OL-1500-01F (27.9%RPD), -02F (26.9%RPD), -17F (33.4%RPD), OL-1504-01F (61.5%RPD), OL-1506-01F (94.4%RPD), -03F (91%RPD), -04F (97.4%RPD), OL-1507-01F (93.9%RPD), -02F (92.7%RPD), -03F (91.7%RPD), OL-1508-01F (99.2%RPD), -02F (95%RPD), and -03F (91.8%RPD); and 4,4'-DDD for samples OL-1500-09F (85.1%RPD), -12F (31%RPD), OL-1501-03F (178.4%RPD), -05F (124.6%RPD), -06F (159.1%RPD), -08F (137.2%RPD), -10F (164.8%RPD), OL-1502-01F (150.2%RPD), -04F (122.4%RPD), -06F (66.9%RPD), -09F (28%RPD), -20F (181.9%RPD), OL-1503-01F (173.5%RPD), -02F (162.5%RPD), -05F (182.5%RPD), -06F (180.7%RPD), OL-1505-01F (100.1%RPD), OL-1504-01F (84.7%RPD), -09F (110.1%RPD), -10F (94.8%RPD), -12F (110%RPD), -13F (115.2%RPD), -15F (85.8%RPD), -16F (88.2%RPD), -17F (45.2%RPD),

-19F (70.7%RPD), OL-1506-01F (149%RPD), -03F (139.4%RPD), -04F (127.2%RPD), OL-1507-02F (153.1%RPD), -03F (181.2%RPD), and OL-1508-02F (164%RPD). These results were considered estimated and qualified "J" for the affected samples. However, for those compounds where the %RPD was greater than 90 percent, the results were considered estimated, tentatively identified, and qualified "JN" for the affected samples.

Usability

All hexachlorobenzene, 4,4'-DDT, and metabolite sample results for the fish were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The hexachlorobenzene, 4,4'-DDT, and metabolite data presented by TAL were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A.

It was noted that hexachlorobenzene was not analyzed for fish samples contained within SDG 180-616-1 because of laboratory error.

B2.1.4 Dioxins and Furans

The following items were reviewed for compliancy in the dioxins and furans analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- Internal standard recoveries
- Clean-up recoveries
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination as discussed below.

Blank Contamination

The laboratory method blank associated with samples contained within sample delivery groups (SDGs) 180-550-1, 180-550-2, 180-616-1, 180-693-1, 180-903-1, 180-1510-1, and 180-1586-1 detected dioxins and furans at concentrations below reporting limits. A summary of these detections is presented in the table below. Therefore, associated sample results less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Compound	Concentration (pg/g)
1,2,3,7,8-PeCDD	0.13 J
1,2,3,4,7,8-HxCDD	0.21 J
1,2,3,6,7,8-HxCDD	0.16 J
1,2,3,7,8,9-HxCDD	0.29 J
1,2,3,4,6,7,8-HpCDD	0.37 J
OCDD	2.3 J
1,2,3,7,8-PeCDF	0.15 J
1,2,3,4,7,8-HxCDF	0.17 J
1,2,3,6,7,8-HxCDF	0.16 J
2,3,4,6,7,8-HxCDF	0.12 J
1,2,3,7,8,9-HxCDF	0.15 J
1,2,3,4,6,7,8-HpCDF	0.2 J
OCDF	0.44 J

Note: J – Concentration is estimated and detected below the reporting limit.

Usability

All dioxin and furan results for the fish samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The dioxin and furan data presented by TAL were 100 percent complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A.

B2.1.5 Percent Lipids

The following items were reviewed for compliancy in the percent lipids analysis:

- Custody documentation
- Holding times
- Laboratory blank contamination
- Laboratory duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

Forty-four of the 48 lipid determination results for the fish samples were considered usable following data validation and the laboratory further checking and modifying its reporting and detection limits. Lipid results for two of the smallmouth bass fillets (field sample IDs OL-1502-20F and OL-1507-03F) and lipid results for one brown bullhead and one pumpkinseed fillet (field sample IDs OL-1504-09F and OL-1504-15F, respectively) could not be confirmed based on documentation available at the laboratory, so lipid determinations for those samples were rejected as not usable.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The percent lipids data presented by TAL were 100 percent complete (i.e., usable), although two of the results will not be used to quantify lipid-normalized organic chemical concentrations due to the laboratory not being able to reproduce the results. The validated laboratory data are tabulated and presented in Attachment A.

ATTACHMENT A

VALIDATED LABORATORY DATA FOR FISH SAMPLES

WALL – Walleye (Adult Fish)

SMB – Smallmouth Bass (Adult Fish)

PKSD – Pumpkinseed (Adult Fish)

BB – Brown Bullhead (Adult Fish)

ALE – Alewife (Prey Fish)

MIN – Minnow (Prey Fish)

		Location	OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158
		Field Sample ID	OL-1503-03F		OL-1503-04F		OL-1503-05F		OL-1503-06F		OL-1503-07F		OL-1503-08F		OL-1503-09F		OL-1503-10F		OL-1503-11F
		SDG	180-693-1		180-693-1		180-693-1		180-693-1		180-693-1		180-693-1		180-693-1		180-693-1		180-693-1
		Sample Date	6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011		6/1/2011
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Age	13 yrs		13 yrs		17 yrs		20 yrs		9+ yrs		11 yrs		5+ yrs		23 yrs		10 yrs
		Specimen Length	555 mm		604 mm		554 mm		650 mm		468 mm		538 mm		497 mm		560 mm		539 mm
		Sample Type	F		F		F		F		F		F		F		F		F
		Specimen Sex	F		F		F		F		F		F		F		F		F
		Specimen Weight	2043 g		3301 g		2137 g		2692 g		1428 g		1951 g		1585 g		1902 g		2216 g
		Taxon	WALL		WALL		WALL		WALL		WALL		WALL		WALL		WALL		WALL
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg	5	U															
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg	5	U															
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg	5	U															
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg	5	U															
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg	5	U															
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg	5	U															
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg	2.8	J															
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg	5	U															
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg	5	U															
EPA 1613B	1,2,3,7,8-PECDD	ng/kg	1.2	J															
EPA 1613B	1,2,3,7,8-PECDF	ng/kg	1.1	J															
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg	5	U															
EPA 1613B	2,3,4,7,8-PECDF	ng/kg	4.5	J															
EPA 1613B	2,3,7,8-TCDD	ng/kg	0.8	J															
EPA 1613B	2,3,7,8-TCDF	ng/kg	6.2	J															
EPA 1613B	OCDD	ng/kg	9.9	U															
EPA 1613B	OCDF	ng/kg	9.9	U															
Percent Lipids	%LIPIDS DETERMINATION	%	4.1		4.9		4.6		0.78										
SW7471	MERCURY	mg/kg	1.5		2.9		2.4		4.1		0.71		2.2		1.1		3		2.3
SW8081	4,4'-DDD	ug/kg	1.7	U	1.7	U	2.7	JN	1.8	JN									
SW8081	4,4'-DDE	ug/kg	1.7	U	14	JN	21	JN	9.4										
SW8081	4,4'-DDT	ug/kg	19		26		1.7	U	1.7	U									
SW8081	HEXACHLOROBENZENE	ug/kg	27		24		36		9.3										
SW8082	AROCLOR-1016	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1221	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1232	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1242	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1248	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1254	ug/kg	800		850		1600		650										
SW8082	AROCLOR-1260	ug/kg	370		480		680		480										
SW8082	AROCLOR-1262	ug/kg	16	U	17	U	16	U	17	U									
SW8082	AROCLOR-1268	ug/kg	16	U	17	U	16	U	17	U									
SW8082	TOTAL PCBS	ug/kg	1200		1300		2300		1100										

		Location		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		
		Field Sample ID		OL-1503-12F		OL-1503-13F		OL-1503-14F		OL-1504-16F		OL-1504-17F		OL-1504-18F		OL-1504-19F		OL-1504-20F		
		SDG		180-693-1		180-693-1		180-693-1		180-903-1		180-903-1		180-903-1		180-903-1		180-903-1		
		Sample Date		6/1/2011		6/1/2011		6/1/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		
		Matrix		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		
		Sample Purpose		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		
		Sample Type		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		
		Specimen Age		17 yrs		17 yrs		13 yrs		4 yrs		4+ yrs		4 yrs		4+ yrs		4 yrs		
		Specimen Length		594 mm		563 mm		458 mm		194 mm		172 mm		188 mm		324 mm		294 mm		
		Sample Type		F		F		F		F		F		F		F		F		
		Specimen Sex		F		F		M		U		F		F		U		U		
		Specimen Weight		3048 g		2291 g		1284 g		194 g		139 g		202 g		493 g		385 g		
		Taxon		WALL		WALL		SMB		PKSD		PKSD		PKSD		BB		BB		
Method	Parameter Name	Units																		
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg														5	U			
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg														5	U			
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg														5	U			
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg														5	U			
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg														5	U			
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg														5	U			
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg														1	J			
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg														5	U			
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg														5	U			
EPA 1613B	1,2,3,7,8-PECDD	ng/kg														0.76	J			
EPA 1613B	1,2,3,7,8-PECDF	ng/kg														5	U			
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg														5	U			
EPA 1613B	2,3,4,7,8-PECDF	ng/kg														11				
EPA 1613B	2,3,7,8-TCDD	ng/kg														0.35	J			
EPA 1613B	2,3,7,8-TCDF	ng/kg														0.99	U			
EPA 1613B	OCDD	ng/kg														9.9	U			
EPA 1613B	OCDF	ng/kg														9.9	U			
Percent Lipids	%LIPIDS DETERMINATION	%								0.11		0.079	J			0.39		0.77		
SW7471	MERCURY	mg/kg		2.9		3.4		2.7		0.67		0.26		0.38		0.37		0.17		
SW8081	4,4'-DDD	ug/kg								1.1	J	1.3	J			1.7	J	1.7	U	
SW8081	4,4'-DDE	ug/kg								0.62	J	1.7	U			1.6	J	1.5	J	
SW8081	4,4'-DDT	ug/kg								4.1		2.4				7		7.3		
SW8081	HEXACHLOROBENZENE	ug/kg								0.64	J	1.7	U			2.1		11		
SW8082	AROCLOR-1016	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1221	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1232	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1242	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1248	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1254	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1260	ug/kg								29		14	J			52		80		
SW8082	AROCLOR-1262	ug/kg								17	U	17	U			16	U	17	U	
SW8082	AROCLOR-1268	ug/kg								17	U	17	U			16	U	17	U	
SW8082	TOTAL PCBS	ug/kg								29		14	J			52		80		

		Location	OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158	
		Field Sample ID	OL-1505-01F		OL-1506-01F		OL-1506-02F		OL-1507-01F		OL-1507-02F		OL-1507-03F		OL-1508-01F		OL-1508-02F		OL-1508-03F	
		SDG	180-902-1		180-1510-1		180-1510-1		180-1586-1		180-1586-1		180-1586-1		180-1610-1		180-1610-1		180-1610-1	
		Sample Date	6/8/2011		6/28/2011		6/28/2011		6/29/2011		6/29/2011		6/29/2011		6/30/2011		6/30/2011		6/30/2011	
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Specimen Age	7 yrs		6 yrs		10 yrs		13 yrs		6 yrs		12 yrs		4+ yrs		10 yrs		8+ yrs	
		Specimen Length	309 mm		394 mm		439 mm		471 mm		385 mm		472 mm		366 mm		441 mm		432 mm	
		Sample Type	F		F		F		F		F		F		F		F		F	
		Specimen Sex	F		U		U		F		U		U		U		U		U	
		Specimen Weight	419 g		991 g		1231 g		1444 g		1048 g		1600 g		851 g		1310 g		1144 g	
		Taxon	BB		SMB		SMB		SMB		SMB		SMB		SMB		SMB		SMB	
Method	Parameter Name	Units																		
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg			5	U			5	U										
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg			5	U			5	U										
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg			5	U			5	U										
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg			5	U			5	U										
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg			5	U			5	U										
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg			5	U			5	U										
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg			0.91	J			5.4	J										
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg			5	U			5	U										
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg			5	U			5	U										
EPA 1613B	1,2,3,7,8-PECDD	ng/kg			0.86	J			2	J										
EPA 1613B	1,2,3,7,8-PECDF	ng/kg			5	U			5	U										
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg			5	U			5	U										
EPA 1613B	2,3,4,7,8-PECDF	ng/kg			3.4	J			6.3											
EPA 1613B	2,3,7,8-TCDD	ng/kg			0.99	U			1.7	J										
EPA 1613B	2,3,7,8-TCDF	ng/kg			1.8	J			2.7	J										
EPA 1613B	OCDD	ng/kg			9.9	U			9.9	U										
EPA 1613B	OCDF	ng/kg			9.9	U			9.9	U										
Percent Lipids	%LIPIDS DETERMINATION	%	0.18		0.93				0.69		1.2		~~0.099~~	~~U~~	3.5		0.92		1.1	
SW7471	MERCURY	mg/kg	0.37		0.72		1.6		2.8		0.76		2.3		0.56		1.6		1.1	
SW8081	4,4'-DDD	ug/kg	1.3	JN	1.9	JN			1.7	U	2.3	JN	1.9	JN	1.7	UJ	4.4	JN	1.7	
SW8081	4,4'-DDE	ug/kg	0.92	JN	8.1	J			39	J	9	J	31	J	41	J	38	J	43	
SW8081	4,4'-DDT	ug/kg	1.7	U	5.2	JN			20	JN	7	JN	16	JN	18	JN	18	JN	22	
SW8081	HEXACHLOROBENZENE	ug/kg	1.8		4.6				5.4		7.7		4		23		6.2		7.5	
SW8082	AROCLOR-1016	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17	
SW8082	AROCLOR-1221	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17	
SW8082	AROCLOR-1232	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17	
SW8082	AROCLOR-1242	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17	
SW8082	AROCLOR-1248	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17	
SW8082	AROCLOR-1254	ug/kg	17	U	220				690		280		510		700		640		530	
SW8082	AROCLOR-1260	ug/kg	64		17	U			16	U	16	U	16	U	17	U	17	U	480	
SW8082	AROCLOR-1262	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17	
SW8082	AROCLOR-1268	ug/kg	17	U	17	U			16	U	16	U	16	U	17	U	17	U	17	
SW8082	TOTAL PCBS	ug/kg	64		220				690		280		510		700		640		1000	

		Location		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-30093	
		Field Sample ID		OL-1509-01F		OL-1509-02F		OL-1509-03F		OL-1509-04F		OL-1509-05F		OL-1509-06F		OL-1509-07F		OL-1501-08F	
		SDG		180-1649-1		180-1649-1		180-1649-1		180-1649-1		180-1649-1		180-1649-1		180-1649-1		180-550-2	
		Sample Date		7/1/2011		7/1/2011		7/1/2011		7/1/2011		7/1/2011		7/1/2011		7/1/2011		5/25/2011	
		Matrix		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Specimen Age		6+ yrs		10 yrs		9 yrs		3+ yrs		10 yrs		6+ yrs		10 yrs		6 yrs	
		Specimen Length		385 mm		440 mm		444 mm		290 mm		461 mm		386 mm		436 mm		503 mm	
		Sample Type		F		F		F		F		F		F		F		F	
		Specimen Sex		F		F		F		U		F		U		U		F	
		Specimen Weight		958 g		1151 g		1272 g		362 g		1387 g		962 g		1064 g		1892 g	
		Taxon		SMB		SMB		SMB		SMB		SMB		SMB		SMB		WALL	
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg																	
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg																	
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg																	
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg																	
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg																	
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg																	
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg																	
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg																	
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg																	
EPA 1613B	1,2,3,7,8-PECDD	ng/kg																	
EPA 1613B	1,2,3,7,8-PECDF	ng/kg																	
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg																	
EPA 1613B	2,3,4,7,8-PECDF	ng/kg																	
EPA 1613B	2,3,7,8-TCDD	ng/kg																	
EPA 1613B	2,3,7,8-TCDF	ng/kg																	
EPA 1613B	OCDD	ng/kg																	
EPA 1613B	OCDF	ng/kg																	
Percent Lipids	%LIPIDS DETERMINATION	%																3	
SW7471	MERCURY	mg/kg		0.76		1.5		1.2		0.72		1.4		0.85		2		0.94	
SW8081	4,4'-DDD	ug/kg	U															8.7	JN
SW8081	4,4'-DDE	ug/kg	J															25	
SW8081	4,4'-DDT	ug/kg	JN															66	
SW8081	HEXACHLOROBENZENE	ug/kg																28	
SW8082	AROCLOR-1016	ug/kg	U															170	U
SW8082	AROCLOR-1221	ug/kg	U															170	U
SW8082	AROCLOR-1232	ug/kg	U															170	U
SW8082	AROCLOR-1242	ug/kg	U															170	U
SW8082	AROCLOR-1248	ug/kg	U															170	U
SW8082	AROCLOR-1254	ug/kg																940	
SW8082	AROCLOR-1260	ug/kg																170	U
SW8082	AROCLOR-1262	ug/kg	U															170	U
SW8082	AROCLOR-1268	ug/kg	U															170	U
SW8082	TOTAL PCBS	ug/kg																940	

		Location	OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-30093	
		Field Sample ID	OL-1501-09F		OL-1501-10F		OL-1501-11F		OL-1504-06F		OL-1504-07F		OL-1504-08F		OL-1504-09F		OL-1510-01F		OL-1510-02F					
		SDG	180-550-2		180-550-2		180-550-2		180-903-1		180-903-1		180-903-1		180-903-1		180-1724-1		180-1724-1					
		Sample Date	5/25/2011		5/25/2011		5/25/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		7/6/2011		7/6/2011					
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE					
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample					
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish					
		Specimen Age	6 yrs		14 yrs		6 yrs		3+ yrs		3+ yrs		4+ yrs		6 yrs		5 yrs		3+ yrs					
		Specimen Length	542 mm		561 mm		591 mm		155 mm		148 mm		150 mm		318 mm		312 mm		268 mm					
		Sample Type	F		F		F		F		F		F		F		F		F					
		Specimen Sex	F		F		F		F		F		F		U		U		U					
		Specimen Weight	1896 g		2150 g		2534 g		85 g		72 g		97 g		440 g		380 g		280 g					
		Taxon	WALL		WALL		WALL		PKSD		PKSD		PKSD		BB		BB		BB					
Method	Parameter Name	Units																						
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg																						
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg																						
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg																						
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg																						
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg																						
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg																						
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg																						
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg																						
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg																						
EPA 1613B	1,2,3,7,8-PECDD	ng/kg																						
EPA 1613B	1,2,3,7,8-PECDF	ng/kg																						
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg																						
EPA 1613B	2,3,4,7,8-PECDF	ng/kg																						
EPA 1613B	2,3,7,8-TCDD	ng/kg																						
EPA 1613B	2,3,7,8-TCDF	ng/kg																						
EPA 1613B	OCDD	ng/kg																						
EPA 1613B	OCDF	ng/kg																						
Percent Lipids	%LIPIDS DETERMINATION	%			1.9										~~0.14~~									
SW7471	MERCURY	mg/kg	1.2		2.7		1.5		0.17		0.19		0.15		0.41		0.4		0.2					
SW8081	4,4'-DDD	ug/kg			5.4	JN									1.1	JN								
SW8081	4,4'-DDE	ug/kg			32										1.4	J								
SW8081	4,4'-DDT	ug/kg			17	U									1.7	U								
SW8081	HEXACHLOROBENZENE	ug/kg			16										5.6									
SW8082	AROCLOR-1016	ug/kg			160	U									16	U								
SW8082	AROCLOR-1221	ug/kg			160	U									16	U								
SW8082	AROCLOR-1232	ug/kg			160	U									16	U								
SW8082	AROCLOR-1242	ug/kg			160	U									16	U								
SW8082	AROCLOR-1248	ug/kg			160	U									16	U								
SW8082	AROCLOR-1254	ug/kg			1200										16	U								
SW8082	AROCLOR-1260	ug/kg			920										44									
SW8082	AROCLOR-1262	ug/kg			160	U									16	U								
SW8082	AROCLOR-1268	ug/kg			160	U									16	U								
SW8082	TOTAL PCBS	ug/kg			2100										44									

		Location		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212	
		Field Sample ID		OL-1500-01F		OL-1500-02F		OL-1500-03F		OL-1500-04F		OL-1500-05F		OL-1500-06F		OL-1500-07F		OL-1500-08F	
		SDG		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1	
		Sample Date		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011	
		Matrix		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Specimen Age		3+ yrs		3+ yrs		3+ yrs		3+ yrs		5+ yrs		3 yrs		3 yrs		6 yrs	
		Specimen Length		149 mm		164 mm		147 mm		151 mm		311 mm		274 mm		254 mm		300 mm	
		Sample Type		F		F		F		F		F		F		F		F	
		Specimen Sex		M		M		M		M		U		U		U		U	
		Specimen Weight		88 g		124 g		101 g		93 g		399 g		314 g		241 g		443 g	
		Taxon		PKSD		PKSD		PKSD		PKSD		BB		BB		BB		BB	
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg				6.1	U												
EPA 1613B	1,2,3,7,8-PECDD	ng/kg				6.1	U												
EPA 1613B	1,2,3,7,8-PECDF	ng/kg				6.1	U												
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg				6.1	U												
EPA 1613B	2,3,4,7,8-PECDF	ng/kg				6.1	U												
EPA 1613B	2,3,7,8-TCDD	ng/kg				1.2	U												
EPA 1613B	2,3,7,8-TCDF	ng/kg				0.21	J												
EPA 1613B	OCDD	ng/kg				12	U												
EPA 1613B	OCDF	ng/kg				12	U												
Percent Lipids	%LIPIDS DETERMINATION	%		0.78		0.58													
SW7471	MERCURY	mg/kg		0.24		0.14		0.11		0.24		0.11		0.44		0.16		0.15	
SW8081	4,4'-DDD	ug/kg		17	U	17	U												
SW8081	4,4'-DDE	ug/kg		17	U	17	U												
SW8081	4,4'-DDT	ug/kg		18	J	20	J												
SW8081	HEXACHLOROBENZENE	ug/kg		0.85	J	0.88	J												
SW8082	AROCLOR-1016	ug/kg		160	U	170	U												
SW8082	AROCLOR-1221	ug/kg		160	U	170	U												
SW8082	AROCLOR-1232	ug/kg		160	U	170	U												
SW8082	AROCLOR-1242	ug/kg		160	U	170	U												
SW8082	AROCLOR-1248	ug/kg		160	U	170	U												
SW8082	AROCLOR-1254	ug/kg		160	U	170	U												
SW8082	AROCLOR-1260	ug/kg		160	U	170	U												
SW8082	AROCLOR-1262	ug/kg		160	U	170	U												
SW8082	AROCLOR-1268	ug/kg		160	U	170	U												
SW8082	TOTAL PCBS	ug/kg		160	U	170	U												

		Location	OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057
		Field Sample ID	OL-1500-15F		OL-1501-02F		OL-1501-03F		OL-1501-04F		OL-1501-05F		OL-1500-09F		OL-1500-10F		OL-1500-11F		OL-1500-12F
		SDG	180-550-1		180-550-2		180-550-2		180-550-2		180-550-2		180-550-1		180-550-1		180-550-1		180-550-1
		Sample Date	5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Age	6 yrs		10 yrs		17 yrs		12 yrs		7 yrs		3+ yrs		3+ yrs		3+ yrs		7 yrs
		Specimen Length	379 mm		585 mm		551 mm		508 mm		467 mm		163 mm		139 mm		143 mm		345 mm
		Sample Type	F		F		F		F		F		F		F		F		F
		Specimen Sex	U		F		F		F		F		M		M		M		U
		Specimen Weight	778 g		2206 g		2042 g		1691 g		1212 g		99 g		76 g		76 g		636 g
		Taxon	SMB		WALL		WALL		WALL		WALL		PKSD		PKSD		PKSD		BB
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg					1.4	J			5	U	5.6	U					
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg					2.4	J			1.2	J	0.82	J					
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	1,2,3,7,8-PECDD	ng/kg					3.4	J			0.88	J	5.6	U					
EPA 1613B	1,2,3,7,8-PECDF	ng/kg					1.4	J			5	U	5.6	U					
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg					5	U			5	U	5.6	U					
EPA 1613B	2,3,4,7,8-PECDF	ng/kg					9.4				2.1	J	5.6	U					
EPA 1613B	2,3,7,8-TCDD	ng/kg					3.1	J			1	U	0.039	J					
EPA 1613B	2,3,7,8-TCDF	ng/kg					11	J			1.7	J	0.27	J					
EPA 1613B	OCDD	ng/kg					10	U			10	U	11	U					
EPA 1613B	OCDF	ng/kg					10	U			10	U	11	U					
Percent Lipids	%LIPIDS DETERMINATION	%					2.3				1.4		0.87		0.91				0.75
SW7471	MERCURY	mg/kg	1.3		0.68		3.1		2.1		0.79		0.24		0.078		0.23		0.27
SW8081	4,4'-DDD	ug/kg					8.2	JN			7.2	JN	2.6	J	17	U			13
SW8081	4,4'-DDE	ug/kg					110				19	J	17	U	17	U			7.3
SW8081	4,4'-DDT	ug/kg					180				53		19		17	U			28
SW8081	HEXACHLOROBENZENE	ug/kg					44				13		1.3	J	0.46	J			1.9
SW8082	AROCLOR-1016	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1221	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1232	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1242	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1248	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1254	ug/kg					3200				570		170	U	170	U			120
SW8082	AROCLOR-1260	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1262	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	AROCLOR-1268	ug/kg					160	U			170	U	170	U	170	U			170
SW8082	TOTAL PCBS	ug/kg					3200				570		170	U	170	U			120

		Location		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50057	
		Field Sample ID		OL-1500-13F		OL-1500-14F		OL-1500-16F		OL-1500-17F		OL-1500-18F		OL-1500-19F		OL-1500-20F		OL-1501-01F	
		SDG		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-1		180-550-2	
		Sample Date		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011	
		Matrix		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Specimen Age		6 yrs		3 yrs		6 yrs		4 yrs		4 yrs		4 yrs		6 yrs		4+ yrs	
		Specimen Length		355 mm		279 mm		380 mm		314 mm		338 mm		290 mm		464 mm		406 mm	
		Sample Type		F		F		F		F		F		F		F		F	
		Specimen Sex		U		F		F		M		F		F		F		M	
		Specimen Weight		674 g		392 g		905 g		442 g		583 g		352 g		1258 g		845 g	
		Taxon		BB		BB		SMB		SMB		SMB		SMB		WALL		WALL	
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg		1.6	J							1.9	J					0.83	J
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	1,2,3,7,8-PECDD	ng/kg		5	U							0.99	J					5	U
EPA 1613B	1,2,3,7,8-PECDF	ng/kg		5	U							5	U					5	U
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg		5	U							5	U					5	U
EPA 1613B	2,3,4,7,8-PECDF	ng/kg		0.72	J							3	J					0.68	J
EPA 1613B	2,3,7,8-TCDD	ng/kg		0.1	J							0.55	J					1	U
EPA 1613B	2,3,7,8-TCDF	ng/kg		0.37	J							1.1	J					0.95	J
EPA 1613B	OCDD	ng/kg		19								10	U					10	U
EPA 1613B	OCDF	ng/kg		10	U							10	U					1.2	J
Percent Lipids	%LIPIDS DETERMINATION	%								0.25		1.2						1.4	
SW7471	MERCURY	mg/kg		0.27		0.14		0.26		1		0.71		1.2		0.75		0.3	
SW8081	4,4'-DDD	ug/kg	J							17	U	17	U					17	U
SW8081	4,4'-DDE	ug/kg	J							17	U	17						17	U
SW8081	4,4'-DDT	ug/kg								23	J	61						22	
SW8081	HEXACHLOROBENZENE	ug/kg								0.71	J	8.3						3.4	
SW8082	AROCLOR-1016	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1221	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1232	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1242	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1248	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1254	ug/kg	J							160	U	540						120	J
SW8082	AROCLOR-1260	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1262	ug/kg	U							160	U	160	U					170	U
SW8082	AROCLOR-1268	ug/kg	U							160	U	160	U					170	U
SW8082	TOTAL PCBS	ug/kg	J							160	U	540						120	J

		Location	OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50058	
		Field Sample ID	OL-1501-06F		OL-1501-07F		OL-1502-06F		OL-1502-07F		OL-1502-08F		OL-1502-09F		OL-1502-10F		OL-1502-11F		OL-1502-20F					
		SDG	180-550-2		180-550-2		180-616-1		180-616-1		180-616-1		180-616-1		180-616-1		180-616-1		180-616-1					
		Sample Date	5/25/2011		5/25/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011					
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE					
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample					
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish					
		Specimen Age	10+ yrs		12 yrs		3+ yrs		3+ yrs		3+ yrs		3 yrs		6 yrs		6 yrs		5 yrs					
		Specimen Length	548 mm		565 mm		142 mm		132 mm		169 mm		289 mm		325 mm		315 mm		365 mm					
		Sample Type	F		F		F		F		F		F		F		F		F					
		Specimen Sex	F		F		M		M		M		U		U		F		M					
		Specimen Weight	1904 g		2367 g		74 g		61 g		126 g		368 g		551 g		576 g		711 g					
		Taxon	WALL		WALL		PKSD		PKSD		PKSD		BB		BB		BB		SMB					
Method	Parameter Name	Units																						
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg					1.8	J					5	U					5					
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg					6.9	U					5	U					5					
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg					6.9	U					5	U					5					
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg					6.9	U					5	U					5					
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg					6.9	U					5	U					5					
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg					6.9	U					5	U					5					
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg					6.9	U					5	U					1.1					
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg					6.9	U					5	U					5					
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg					6.9	U					5	U					5					
EPA 1613B	1,2,3,7,8-PECDD	ng/kg					6.9	U					5	U					0.84					
EPA 1613B	1,2,3,7,8-PECDF	ng/kg					6.9	U					5	U					5					
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg					6.9	U					5	U					5					
EPA 1613B	2,3,4,7,8-PECDF	ng/kg					6.9	U					0.61	J					2					
EPA 1613B	2,3,7,8-TCDD	ng/kg					1.4	U					0.99	U					1					
EPA 1613B	2,3,7,8-TCDF	ng/kg					0.41	J					0.16	J					0.89					
EPA 1613B	OCDD	ng/kg					21						9.9	U					10					
EPA 1613B	OCDF	ng/kg					14	U					9.9	U					10					
Percent Lipids	%LIPIDS DETERMINATION	%	2.7				0.6						0.64						~~10~~					
SW7471	MERCURY	mg/kg	1.2		1.6		0.087		0.021	J	0.31		0.18		0.46		0.41		0.97					
SW8081	4,4'-DDD	ug/kg	8.1	JN			0.5	J					2.7	J					1.2					
SW8081	4,4'-DDE	ug/kg	45				1.7	U					1.7	U					3					
SW8081	4,4'-DDT	ug/kg	100				1.7	U					5						35					
SW8081	HEXACHLOROBENZENE	ug/kg	22																					
SW8082	AROCLOR-1016	ug/kg	170	U			17	U					17	U					17					
SW8082	AROCLOR-1221	ug/kg	170	U			17	U					17	U					17					
SW8082	AROCLOR-1232	ug/kg	170	U			17	U					17	U					17					
SW8082	AROCLOR-1242	ug/kg	170	U			17	U					17	U					17					
SW8082	AROCLOR-1248	ug/kg	170	U			17	U					17	U					17					
SW8082	AROCLOR-1254	ug/kg	1400				17	U					51						400					
SW8082	AROCLOR-1260	ug/kg	170	U			17	U					52						280					
SW8082	AROCLOR-1262	ug/kg	170	U			17	U					17	U					17					
SW8082	AROCLOR-1268	ug/kg	170	U			17	U					17	U					17					
SW8082	TOTAL PCBS	ug/kg	1400				17	U					100						680					

		Location		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059	
		Field Sample ID		OL-1503-01F		OL-1503-02F		OL-1504-01F		OL-1504-02F		OL-1504-03F		OL-1504-04F		OL-1504-05F		OL-1505-02F	
		SDG		180-693-1		180-693-1		180-903-1		180-903-1		180-903-1		180-903-1		180-903-1		180-902-1	
		Sample Date		6/1/2011		6/1/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011		6/8/2011	
		Matrix		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE	
		Sample Purpose		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish	
		Specimen Age		9 yrs		6 yrs		4+ yrs		4 yrs		4+ yrs		4 yrs		7 yrs		5 yrs	
		Specimen Length		492 mm		539 mm		176 mm		172 mm		184 mm		174 mm		318 mm		333 mm	
		Sample Type		F		F		F		F		F		F		F		F	
		Specimen Sex		F		F		F		F		F		F		U		U	
		Specimen Weight		1685 g		2095 g		130 g		130 g		152 g		128 g		493 g		610 g	
		Taxon		WALL		WALL		PKSD		PKSD		PKSD		PKSD		BB		BB	
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg	U			5	U												
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg	U			5	U												
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg	U			5	U												
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg	U			5	U												
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg	U			5	U												
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg	U			5	U												
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg	J			6.7	J												
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg	U			5	U												
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg	U			5	U												
EPA 1613B	1,2,3,7,8-PECDD	ng/kg	J			2.1	J												
EPA 1613B	1,2,3,7,8-PECDF	ng/kg	U			5	U												
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg	U			5	U												
EPA 1613B	2,3,4,7,8-PECDF	ng/kg	J			4.8	J												
EPA 1613B	2,3,7,8-TCDD	ng/kg	U			0.99	U												
EPA 1613B	2,3,7,8-TCDF	ng/kg	J			4.5	J												
EPA 1613B	OCDD	ng/kg	U			9.9	U												
EPA 1613B	OCDF	ng/kg	U			9.9	U												
Percent Lipids	%LIPIDS DETERMINATION	%		5.1		3.7		0.21								0.1			
SW7471	MERCURY	mg/kg		1.2		1.2		0.27		0.31		0.36		0.28		0.38		0.32	
SW8081	4,4'-DDD	ug/kg	JN	2.3	JN	3.3	JN	1.1	J							1.7	U		
SW8081	4,4'-DDE	ug/kg	JN	6.7	JN	5.5	JN	0.4	JN							1.7	U		
SW8081	4,4'-DDT	ug/kg		47		40		1.4	J							1.7	U		
SW8081	HEXACHLOROBENZENE	ug/kg		26		26		1.7	U							1.7	U		
SW8082	AROCLOR-1016	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1221	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1232	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1242	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1248	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1254	ug/kg		820		770		17	U							16	U		
SW8082	AROCLOR-1260	ug/kg		330		280		11	J							20			
SW8082	AROCLOR-1262	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	AROCLOR-1268	ug/kg	U	16	U	16	U	17	U							16	U		
SW8082	TOTAL PCBS	ug/kg		1200		1100		11	J							20			

		Location	OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-50059		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225
		Field Sample ID	OL-1505-03F		OL-1506-03F		OL-1506-04F		OL-1508-04F		OL-1502-01F		OL-1502-02F		OL-1502-03F		OL-1502-04F		OL-1502-05F
		SDG	180-902-1		180-1510-1		180-1510-1		180-1610-1		180-616-1		180-616-1		180-616-1		180-616-1		180-616-1
		Sample Date	6/8/2011		6/28/2011		6/28/2011		6/30/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Age	3+ yrs		8+ yrs		8+ yrs		12 yrs		2+ yrs		2+ yrs		6 yrs		5 yrs		5 yrs
		Specimen Length	292 mm		417 mm		452 mm		475 mm		124 mm		119 mm		334 mm		328 mm		317 mm
		Sample Type	F		F		F		F		F		F		F		F		F
		Specimen Sex	F		F		F		U		F		M		F		F		M
		Specimen Weight	355 g		1266 g		1282 g		1868 g		48 g		44 g		592 g		565 g		497 g
		Taxon	BB		SMB		SMB		SMB		PKSD		PKSD		BB		BB		BB
Method	Parameter Name	Units																	
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg					5	U			12	U			3	J			
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg					5	U			12	U			0.2	J			
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	1,2,3,7,8-PECDD	ng/kg					2.1	J			12	U			5	U			
EPA 1613B	1,2,3,7,8-PECDF	ng/kg					0.79	J			12	U			5	U			
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg					5	U			12	U			5	U			
EPA 1613B	2,3,4,7,8-PECDF	ng/kg					7.9				12	U			0.47	J			
EPA 1613B	2,3,7,8-TCDD	ng/kg					1.7	J			2.4	U			1	U			
EPA 1613B	2,3,7,8-TCDF	ng/kg					4	J			2.4	U			0.15	J			
EPA 1613B	OCDD	ng/kg					10	U			24	U			36				
EPA 1613B	OCDF	ng/kg					10	U			24	U			10	U			
Percent Lipids	%LIPIDS DETERMINATION	%			2.3		1.8				1.2				0.07	J	0.14		
SW7471	MERCURY	mg/kg	0.32		1.4		1.7		2.5		0.13		0.18		0.37		0.32		0.18
SW8081	4,4'-DDD	ug/kg			7.3	JN	16	JN			0.38	JN			1.7	U	0.33	JN	
SW8081	4,4'-DDE	ug/kg			37	J	66	J			0.5	J			1.7	U	0.42	J	
SW8081	4,4'-DDT	ug/kg			18	JN	32	JN			1.7	U			1.7	U	1.7	U	
SW8081	HEXACHLOROBENZENE	ug/kg			11		22												
SW8082	AROCLOR-1016	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1221	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1232	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1242	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1248	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1254	ug/kg			590		1200				17				16	U	37		
SW8082	AROCLOR-1260	ug/kg			16	U	17	U			16	J			16	U	35		
SW8082	AROCLOR-1262	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	AROCLOR-1268	ug/kg			16	U	17	U			17	U			16	U	16	U	
SW8082	TOTAL PCBS	ug/kg			590		1200				35				16	U	72		

		Location		OL-STA-70124			OL-STA-70124			OL-STA-70124			OL-STA-70124			OL-STA-70124			OL-STA-70124			OL-STA-70124	
		Field Sample ID		OL-1504-10F			OL-1504-11F			OL-1504-12F			OL-1504-13F			OL-1504-14F			OL-1504-15F				
		SDG		180-903-1			180-903-1			180-903-1			180-903-1			180-903-1			180-903-1				
		Sample Date		6/8/2011			6/8/2011			6/8/2011			6/8/2011			6/8/2011			6/8/2011				
		Matrix		TISSUE			TISSUE			TISSUE			TISSUE			TISSUE			TISSUE				
		Sample Purpose		Regular sample			Regular sample			Regular sample			Regular sample			Regular sample			Regular sample				
		Sample Type		Tissue - fish			Tissue - fish			Tissue - fish			Tissue - fish			Tissue - fish			Tissue - fish				
		Specimen Age		7 yrs			6 yrs			7 yrs			7+ yrs			7 yrs			3+ yrs				
		Specimen Length		329 mm			315 mm			341 mm			184 mm			193 mm			145 mm				
		Sample Type		F			F			F			F			F			F				
		Specimen Sex		U			U			U			U			F			U				
		Specimen Weight		487 g			415 g			569 g			165 g			163 g			64 g				
		Taxon		BB			BB			BB			PKSD			PKSD			PKSD				
Method	Parameter Name	Units																					
EPA 1613B	1,2,3,4,6,7,8-HPCDD	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,4,6,7,8-HPCDF	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,4,7,8,9-HPCDF	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,4,7,8-HXCDD	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,4,7,8-HXCDF	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,6,7,8-HXCDD	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,6,7,8-HXCDF	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,7,8,9-HXCDD	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,7,8,9-HXCDF	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,7,8-PECDD	ng/kg		5.1	U								5	U									
EPA 1613B	1,2,3,7,8-PECDF	ng/kg		5.1	U								5	U									
EPA 1613B	2,3,4,6,7,8-HXCDF	ng/kg		5.1	U								5	U									
EPA 1613B	2,3,4,7,8-PECDF	ng/kg		2.6	J								0.36	J									
EPA 1613B	2,3,7,8-TCDD	ng/kg		0.11	J								1	U									
EPA 1613B	2,3,7,8-TCDF	ng/kg		0.18	J								0.75	J									
EPA 1613B	OCDD	ng/kg		10	U								10	U									
EPA 1613B	OCDF	ng/kg		10	U								10	U									
Percent Lipids	%LIPIDS DETERMINATION	%		0.14			0.52			0.32			0.11			0.14			~~0.12~~				
SW7471	MERCURY	mg/kg		0.59			0.5			0.54			0.56			0.51			0.24				
SW8081	4,4'-DDD	ug/kg		1	JN		1.7	U		1	JN		1.1	JN		1.2	J		1.3	J			
SW8081	4,4'-DDE	ug/kg		0.92	J		2.4	J		1.4	J		0.67	J		1.7	U		0.71	J			
SW8081	4,4'-DDT	ug/kg		1.7	U		1.7	U		1.7	U		1.7	U		1.7	U		3.7				
SW8081	HEXACHLOROBENZENE	ug/kg		4.7			30			5.8			2.5			0.32	J		3.1				
SW8082	AROCLOR-1016	ug/kg		17	U		16	U		17	U		17	U		16	U		16	U			
SW8082	AROCLOR-1221	ug/kg		17	U		16	U		17	U		17	U		16	U		16	U			
SW8082	AROCLOR-1232	ug/kg		17	U		16	U		17	U		17	U		16	U		16	U			
SW8082	AROCLOR-1242	ug/kg		17	U		16	U		17	U		17	U		16	U		16	U			
SW8082	AROCLOR-1248	ug/kg		17	U		16	U		17	U		17	U		16	U		16	U			
SW8082	AROCLOR-1254	ug/kg		17	U		16	U		17	U		17	U		16	U		16	U			
SW8082	AROCLOR-1260	ug/kg		28			75			44			37			16	U		22				
SW8082	AROCLOR-1262	ug/kg		17	U		16	U		17	U		17	U		16	U		16	U			
SW8082	AROCLOR-1268	ug/kg		17	U		16	U		17	U		17	U		16	U		16	U			
SW8082	TOTAL PCBS	ug/kg		28			75			44			37			16	U		22				

		Location	OL-STA-20158		OL-STA-20158		OL-STA-20158		OL-STA-30093		OL-STA-30093		OL-STA-30093		OL-STA-40212		OL-STA-40212		OL-STA-40212
		Field Sample ID	OL-1527-10		OL-1527-11		OL-1527-12		OL-1527-07		OL-1527-08		OL-1527-09		OL-1527-04		OL-1527-05		OL-1527-06
		SDG	180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1
		Sample Date	8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	91 mm		85.8 mm		76.1 mm		74.9 mm		70.9 mm		72.9 mm		90.2 mm		73.9 mm		70.7 mm
		Sample Type	WH		WH		WH		WH		WH		WH		WH		WH		WH
		Specimen Sex																	
		Specimen Weight	7.58 g		6.96 g		4.59 g		4.12 g		3.69 g		3.83 g		8.32 g		4.25 g		3.56 g
		Taxon	MIN		MIN		MIN		MIN		MIN		MIN		MIN		MIN		MIN
Method	Parameter Name	Units																	
SW7471	MERCURY	mg/kg	0.89		0.96		0.55		0.25		0.23		0.24		0.4		0.36		0.46

		Location	OL-STA-50057		OL-STA-50057		OL-STA-50057		OL-STA-50058		OL-STA-50058		OL-STA-50058		OL-STA-50059		OL-STA-50059		OL-STA-50059
		Field Sample ID	OL-1527-01		OL-1527-02		OL-1527-03		OL-1527-13		OL-1527-14		OL-1527-15		OL-1527-16		OL-1527-17		OL-1527-18
		SDG	180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1		180-2515-1
		Sample Date	8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011		8/1/2011
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	76.1 mm		87.4 mm		71.3 mm		85.2 mm		78.4 mm		78.4 mm		76.6 mm		90 mm		76.4 mm
		Sample Type	WH		WH		WH		WH		WH		WH		WH		WH		WH
		Specimen Sex																	
		Specimen Weight	4.58 g		6.92 g		3.83 g		6.72 g		5.58 g		5.62 g		4.7 g		7.42 g		4.46 g
		Taxon	MIN		MIN		MIN		MIN		MIN		MIN		MIN		MIN		MIN
Method	Parameter Name	Units																	
SW7471	MERCURY	mg/kg	0.15		0.15		0.095		0.31		0.16		0.18		0.14		0.24		0.11

		Location	OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-70124		OL-STA-70124		OL-STA-70124		OL-STA-40212		OL-STA-40212		OL-STA-40212
		Field Sample ID	OL-1528-04		OL-1528-05		OL-1528-06		OL-1528-01		OL-1528-02		OL-1528-03		OL-1501-12		OL-1501-13		OL-1501-14
		SDG	180-2660-1		180-2660-1		180-2660-1		180-2660-1		180-2660-1		180-2660-1		180-550-2		180-550-2		180-550-2
		Sample Date	8/4/2011		8/4/2011		8/4/2011		8/4/2011		8/4/2011		8/4/2011		5/25/2011		5/25/2011		5/25/2011
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	90.2 mm		88.6 mm		89.2 mm		89.8 mm		87.2 mm		76.8 mm		122.8 mm		121.2 mm		118.8 mm
		Sample Type	WH		WH		WH		WH		WH		WH		WH		WH		WH
		Specimen Sex													U		U		U
		Specimen Weight	8 g		7.68 g		6.8 g		8.3 g		6.98 g		4.33 g		14 g		13.6 g		14.8 g
		Taxon	MIN		MIN		MIN		MIN		MIN		MIN		ALE		ALE		ALE
Method	Parameter Name	Units																	
SW7471	MERCURY	mg/kg	0.19		0.19		0.18		0.4		0.45		0.35		0.24		0.2		0.24

		Location	OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-40212		OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225
		Field Sample ID	OL-1501-15		OL-1501-16		OL-1501-17		OL-1501-18		OL-1501-19		OL-1502-12		OL-1502-13		OL-1502-14		OL-1502-15
		SDG	180-550-2		180-550-2		180-550-2		180-550-2		180-550-2		180-616-1		180-616-1		180-616-1		180-616-1
		Sample Date	5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/25/2011		5/26/2011		5/26/2011		5/26/2011		5/26/2011
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	123.4 mm		120.6 mm		120.2 mm		133.2 mm		117.6 mm		117.4 mm		122.6 mm		122 mm		115.4 mm
		Sample Type	WH		WH		WH		WH		WH		WH		WH		WH		WH
		Specimen Sex	U		U		U		U		U		U		U		U		U
		Specimen Weight	14.2 g		13.8 g		14 g		16.8 g		12.6 g		12.6 g		13 g		37.4 g		12.2 g
		Taxon	ALE		ALE		ALE		ALE		ALE		ALE		ALE		ALE		ALE
Method	Parameter Name	Units																	
SW7471	MERCURY	mg/kg	0.27		0.18		0.21		0.21		0.25		0.21		0.26		0.21		0.17

		Location	OL-STA-60225		OL-STA-60225		OL-STA-60225		OL-STA-60225
		Field Sample ID	OL-1502-16		OL-1502-17		OL-1502-18		OL-1502-19
		SDG	180-616-1		180-616-1		180-616-1		180-616-1
		Sample Date	5/26/2011		5/26/2011		5/26/2011		5/26/2011
		Matrix	TISSUE		TISSUE		TISSUE		TISSUE
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample
		Sample Type	Tissue - fish		Tissue - fish		Tissue - fish		Tissue - fish
		Specimen Length	122.2 mm		117.8 mm		118 mm		122.4 mm
		Sample Type	WH		WH		WH		WH
		Specimen Sex	U		U		U		U
		Specimen Weight	14 g		12.6 g		12 g		13.6 g
		Taxon	ALE		ALE		ALE		ALE
Method	Parameter Name	Units							
SW7471	MERCURY	mg/kg	0.23		0.26		0.22		0.24

APPENDIX C:

DATA USABILITY SUMMARY REPORT

ONONDAGA LAKE BASELINE MONITORING BOOK 3 FOR 2011: TRIBUTARY MONITORING

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LIST OF ATTACHMENTS

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ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR TRIBUTARY BASE FLOW SURFACE WATER SAMPLES

ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR STORM WATER MONITORING SAMPLES

SECTION C1

DATA USABILITY SUMMARY

Surface water samples were collected as part of the Book 3 baseline monitoring efforts for Onondaga Lake from June 15, 2011 through November 29, 2011. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Onondaga Lake Baseline Monitoring Book 3 Work Plan,
- Onondaga Lake Baseline Monitoring Book 3 QAPP (Appendix B of the Work Plan), and
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review.

The analytical laboratories for this project were Test America Laboratories (TAL) and Upstate Freshwater Institute (UFI). These laboratories are certified by the State of New York to conduct laboratory analyses for this project through the National Environmental Laboratory Accreditation Conference (NELAC) and through the New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP).

C1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 7 to 57 days on average for the samples.

The data packages received from the laboratories were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized by sample media in Section C2.

C1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, shipped under a COC record, and received at the laboratories within one to two days of sampling.

C1.3 LABORATORY ANALYTICAL METHODS

The tributary surface water samples were collected and analyzed for total and dissolved low level mercury, methylmercury, total suspended solids (TSS), and turbidity. The surface water samples collected for the storm water monitoring were analyzed for total low level mercury,

methylmercury, TSS, and turbidity. Summaries of deviations from the Work Plan, QAPP, or USEPA Region II SOPs concerning these laboratory analyses are presented in Subsections C1.3.1 through C1.3.4. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) are discussed for each analytical method by media in Section C2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given,

"N" - presumptive evidence at the value given, and

"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

C1.3.1 Low Level Mercury Analysis

The surface water samples collected from the site were analyzed by TAL for total and/or dissolved low level mercury using the USEPA 1631E analytical method. Certain reported results for the low level mercury samples were qualified as estimated based upon matrix spike recoveries and field duplicate precision. The reported low level mercury analytical results were considered 100% complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

C1.3.2 Methylmercury Analysis

The surface water samples collected from the site were analyzed by TAL for methylmercury using the USEPA 1630 analytical method. Certain reported results for the methylmercury samples were qualified as estimated based upon surrogate recoveries and matrix spike recoveries. The reported methylmercury analytical results were considered 100% complete (i.e., usable) for the data presented by TAL. PARCC requirements were met.

C1.3.3 TSS and Turbidity Analyses

The surface water samples collected from the site were analyzed for TSS and turbidity by TAL and UFI using the SM18/20 2540D and 2130B analytical methods, respectively. Certain reported results for these samples were qualified as estimated based upon laboratory duplicate precision. The reported analytical results for these parameters were considered 100% complete (i.e., usable) for the data presented by TAL and UFI.

SECTION C2

DATA VALIDATION REPORTS

C2.1 TRIBUTARY BASE FLOW SURFACE WATER SAMPLES

Data review has been completed for data packages generated by TAL and UFI containing tributary base flow surface water samples collected from the site. The specific samples contained in these data packages, the analyses performed, and the validated laboratory data were tabulated and are presented in Attachment A-1. All of these samples were shipped under a COC record and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the project work plan and QAPP as well as the USEPA Region II SOP HW-2, Revision 13 "Evaluation of Metals Data for the CLP Program". This data validation and usability report is presented by analysis type.

C2.1.1 Total and Dissolved Low Level Mercury

The following items were reviewed for compliancy in the low level mercury analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, laboratory preparation blank, field blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination, MS/MSD recoveries, and field duplicate precision as discussed below.

Blank Contamination

Many initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained total mercury at a concentration below the reporting limit ranging from 0.135 to 0.281 ng/L and dissolved mercury at a concentration below the reporting limit ranging from 0.128 to 0.308 ng/L. Many field blanks associated with project samples contained total mercury at a concentration below the reporting limit ranging from 0.12 to 0.38 ng/L and dissolved mercury at a concentration below the reporting limit ranging from 0.15 to 0.28 ng/L. Therefore, associated sample results less than validation action concentrations were considered not detected and qualified "U" for the associated samples.

It was noted that field blank OL-1465-01 associated with samples within sample delivery group (SDG) 240-2745-1 contained total and dissolved mercury at concentrations of 0.89 and 0.71 ng/L, respectively; and the field blank OL-1479-01 associated with samples within SDG 240-3171-1 contained total mercury at a concentration at 0.5 ng/L. Since contamination of the field blank water from the laboratory is suspected for these field blank samples, the contamination detected in these blanks was not used to evaluate project samples.

MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within the laboratory QC limit of 71-125%R for all designated project spiked samples with the exception of the low MS/MSD recoveries for total mercury (56%R/60%R) and dissolved mercury (70%R/69%R) associated with samples contained within SDG 240-2293-1; the high MSD recovery for total mercury (137%R) associated with samples contained within SDG 240-2745-1; the low MS/MSD recoveries for total mercury (62%R) and dissolved mercury (70%R) associated with samples contained within SDG 240-3171-1; the high MS/MSD recoveries for total mercury (380%R/581%R) and the low MSD recovery for dissolved mercury (70%R) associated with samples contained within SDG 240-3576-1; the low MSD recovery for total mercury (47%R) associated with samples contained within SDG 240-4043-1; the low MS/MSD for total mercury (-39%R/-20%R) associated with samples contained within SDG 240-5108-1; and the high MS recovery for total mercury (205%R) associated with samples contained within SDG 240-5953-1. Therefore, the results for those samples where MS/MSD recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples. Positive results for those samples where MS/MSD recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J" for the affected samples.

Field Duplicate Precision

All field duplicate precision results for designated project field duplicates and their parent samples were considered acceptable with the exception of the total mercury precision results for the field duplicate pairs OL-1430-03/-04 (62%RPD), OL-1465-03/-04 (74%RPD), OL-1639-03/-04 (133%RPD), OL-1651-03/-04 (124%RPD), and OL-1658-03/-04 (113%RPD); and the dissolved mercury precision result for the field duplicate pair OL-1493-03/-04 (68%RPD). The mercury results were considered estimated and qualified "J" for these samples.

Usability

All total and dissolved mercury sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The total and dissolved low level mercury data presented by TAL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-1.

C2.1.2 Methylmercury

The following items were reviewed for compliancy in the methylmercury analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Initial and continuing calibration verifications
- Initial and continuing calibration, laboratory preparation blank, and field blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, blank contamination, and MS/MSD recoveries as discussed below.

Surrogate Recoveries

All sample surrogate recoveries for n-propyl mercury chloride (QC limit 50-150%R) were considered acceptable and within the QC limit with the exception of the low surrogate recovery in samples OL-1610-03 (20%R), OL-1651-03 (42%R), OL-1658-02 (45%R), -03 (40%R), -04 (39%R), and -05 (18%R). Therefore, the methylmercury results for these samples were considered estimated, possibly biased low, and qualified "J" for the affected samples.

Blank Contamination

Many initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained methylmercury at a concentration below the reporting limit ranging from 0.0104 to 0.291 ng/L. Field blanks associated with project samples contained methylmercury at a concentration below the reporting limit ranging from 0.011 to 0.09 ng/L. Therefore, associated methylmercury results less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

It was noted that the field blank OL-1479-01 associated with samples within SDG 240-3171-1 contained methylmercury at a concentration of 0.11 ng/L. Since contamination of the field blank water from the laboratory is suspected for this field blank sample, the contamination detected in this blank was not used to evaluate project samples.

MS/MSD Recoveries

All MS/MSD methylmercury recoveries were considered acceptable and within the 65-135%R QC limit with the exception of the low MS recovery (59%R) associated with samples within SDG 240-3171-1; the low MS/MSD recoveries (43%R/49%R) associated with samples within SDG 240-4043-1; and the low MSD recovery (47%R) associated with samples within SDG 240-5953-1. Therefore, the methylmercury results were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

It was noted that the methylmercury MSD recovered -4% during the spiked analyses of sample OL-1666-03 with a laboratory spiked precision result of 181%RPD associated with samples contained within SDG 240-6341-1. Validation qualification of these samples was not warranted based upon a laboratory spiking error.

Usability

All methylmercury sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The methylmercury data presented by TAL were 100% complete (i.e., usable). The validated methylmercury laboratory data are tabulated and presented in Attachment A-1.

C2.1.3 TSS and Turbidity

All custody documentation, holding times, matrix spike recoveries, laboratory duplicate precision, laboratory control sample recoveries, laboratory method blank contamination, QC field blank contamination, initial and continuing calibration verifications, field duplicate precision, and quantitation limits were reviewed for compliance. Validation qualification of the sample results for these parameters was not required.

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The TSS data presented by TAL and UFI were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-1.

C2.2 STORM WATER MONITORING SAMPLES

Data review has been completed for data packages generated by TAL and UFI containing surface water samples collected from the site for the storm water monitoring. The specific samples contained in these data packages, the analyses performed, and the validated laboratory data were tabulated and are presented in Attachment A-2. All of these samples were shipped under a COC record and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the project work plan and QAPP as well as the USEPA Region II SOP HW-2, Revision 13 “Evaluation of Metals Data for the CLP Program”. This data validation and usability report is presented by analysis type.

C2.2.1 Low Level Mercury

The following items were reviewed for compliancy in the low level mercury analysis:

- Custody documentation
- Holding times

- Initial and continuing calibration verifications
- Initial and continuing calibration blank, laboratory preparation blank, and field blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination as discussed below.

Blank Contamination

The field equipment blank OL-1496-01 associated with storm water samples within SDG 240-3638-1 contained low level mercury below the reporting limit at 0.21 ng/L. Validation qualification of the project samples was not required since the samples were not affected by the contamination detected in this blank.

Usability

All low level mercury sample results for the storm water samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The low level mercury data presented by TAL were 100% complete (i.e., usable). The validated low level mercury laboratory data are tabulated and presented in Attachment A-2.

C2.2.2 Methylmercury

The following items were reviewed for compliancy in the methylmercury analysis:

- Custody documentation
- Holding times

- Surrogate recoveries
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, laboratory preparation blank, and field blank contamination
- Matrix spike / matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries and blank contamination as discussed below.

Surrogate Recoveries

All sample recoveries for the surrogate n-propyl mercury chloride were considered acceptable and within the 50-150%R QC limit with the exception of the low surrogate recovery in samples OL-1486-03 (20%R), -06 (37%R), and -08 (35%R). The methylmercury results for these samples were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Blank Contamination

The initial and continuing calibration blanks and laboratory preparation blanks associated with project samples contained methylmercury at a concentration below the reporting limit ranging from 0.0105 to 0.194 ng/L. Therefore, methylmercury results less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Usability

All methylmercury sample results for the storm water samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The methylmercury data

presented by TAL were 100% complete (i.e., usable). The validated methylmercury laboratory data are tabulated and presented in Attachment A-2.

C2.2.3 TSS and Turbidity

All custody documentation, holding times, matrix spike recoveries, laboratory duplicate precision, laboratory control sample recoveries, laboratory method blank contamination, QC field blank contamination, initial and continuing calibration verifications, and quantitation limits were reviewed for compliance. Validation qualification of the sample results for these parameters was not required with the exception of the turbidity results for samples OL-1495-01 through -17 were considered estimated and qualified "J" based upon the laboratory duplicate precision exceeding the QC limit.

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The TSS and turbidity data presented by TAL and UFI were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-2.

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR TRIBUTARY BASE FLOW SURFACE WATER SAMPLES

			Field Sample ID	OL-1417-01		OL-1430-01		OL-1440-05		OL-1441-01		OL-1452-05		OL-1453-01		OL-1464-05		OL-1465-01
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC
			Sample Depth															
			Sample Date	6/15/2011		6/29/2011		7/12/2011		7/12/2011		7/27/2011		7/27/2011		8/9/2011		8/9/2011
			SDG	240-1165-1		240-1582-1		UFICHM2011-028		240-1882-1		UFICHM2011-033		240-2293-1		UFICHM2011-039		240-2745-1
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)
Method	Parameter Name	Units	Filtered															
E1630	METHYL MERCURY	ug/L	N	1.10E-05	J	1.10E-05	J			5.00E-05	U			5.00E-05	U			9.00E-05
E1631	MERCURY	ug/L	N	0.00012	U	0.00036	J			0.0005	U			0.0002	J			0.00089	J
E1631	MERCURY	ug/L	Y	0.00012	U	0.00012	U			0.00012	U			0.00012	UJ			0.00071
SM2540D	Total Suspended Solids	mg/L	N															
UFI SOP	Total Suspended Solids	mg/L	N					2.5	U			2.5	U			2.5	U	
UFI SOP	TURBIDITY	NTU	N					0.8	U			0.2	J			0.8	U	

			Field Sample ID	OL-1478-05		OL-1479-01		OL-1492-05		OL-1493-01		OL-1609-05		OL-1610-01		OL-1625-05		OL-1626-01	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth																
			Sample Date	8/24/2011		8/24/2011		9/7/2011		9/7/2011		9/20/2011		9/20/2011		10/5/2011		10/5/2011	
			SDG	UFICHM2011-044		240-3171-1		UFICHM2011-050		240-3576-1		UFICHM2011-058		240-4043-1		UFICHM2011-062		240-4570-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			1.10E-04	J			1.00E-05	U			1.00E-05	UJ			1.80E-05	J
E1631	MERCURY	ug/L	N			0.0005	J			0.00012	UJ			0.00012	UJ			0.00031	J
E1631	MERCURY	ug/L	Y			0.0005	UJ			0.00028	J			0.00012	U				
SM2540D	Total Suspended Solids	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U			2.5	U			2.5	U			2.5	U		
UFI SOP	TURBIDITY	NTU	N	0.3	J			0.3	J			0.8	U			0.8	U		

			Field Sample ID	OL-1638-05		OL-1639-01		OL-1650-05		OL-1651-01		OL-1657-05		OL-1658-01		OL-1665-05		OL-1666-01	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC	
			Sample Depth																
			Sample Date	10/20/2011		10/20/2011		11/3/2011		11/3/2011		11/15/2011		11/15/2011		11/29/2011		11/29/2011	
			SDG	UFICHM2011-067		240-5108-1		UFICHM2011-071		240-5566-1		UFICHM2011-076		240-5953-1		UFICHM2011-079		240-6341-1	
			Matrix	Water		WATER		Water		WATER		Water		WATER		Water		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Field blank	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N			1.10E-05	J			5.00E-05	U			1.00E-05	UJ			5.00E-05	U
E1631	MERCURY	ug/L	N			0.00038	J			0.00032	J			0.0005	UJ			0.0005	U
E1631	MERCURY	ug/L	Y																
SM2540D	Total Suspended Solids	mg/L	N																
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U			2.5	U			2.5	U			2.5	U		
UFI SOP	TURBIDITY	NTU	N	0.8	U			0.2	J			0.4	J			0.2	J		

			Field Sample ID	OL-1667-05	OL-1418-01	OL-1419-02	OL-1420-01	OL-1429-01	OL-1431-01	OL-1440-01	OL-1442-01	OL-1443-02
			Location	FIELD QC	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park
			Sample Depth		0-0 FT	0-0 FT	0-0 FT	0-0 FT	0-0 FT	0-0 FT	0-0 FT	0-0 FT
			Sample Date	11/29/2011	6/15/2011	6/15/2011	6/15/2011	6/28/2011	6/29/2011	7/12/2011	7/12/2011	7/12/2011
			SDG	180-6293-1	180-1138-1	180-1138-2	UFICHM2011-021	UFICHM2011-024	180-1574-1	UFICHM2011-028	180-1902-1	180-1903-1
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	Field blank	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
			Sample Type	Blank water (field)	Surface water	Surface water	Surface water	Surface water	Surface water	Surface water	Surface water	Surface water
Method	Parameter Name	Units	Filtered									
E1630	METHYL MERCURY	ug/L	N									
E1631	MERCURY	ug/L	N									
E1631	MERCURY	ug/L	Y									
SM2540D	Total Suspended Solids	mg/L	N		14				22		11	
UFI SOP	Total Suspended Solids	mg/L	N				13.5	21.1		10.9		
UFI SOP	TURBIDITY	NTU	N				14.4	22.3		12.9		

			Field Sample ID	OL-1452-01	OL-1454-01	OL-1455-02	OL-1464-01	OL-1466-01	OL-1478-01	OL-1480-01	OL-1492-01	OL-1494-01
			Location	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park	LEYCK-Park
			Sample Depth	0-0 Ft	0-0 FT	0-0 FT	0-0 Ft	0-0 FT	0-0 Ft	0-0 FT	0-0 Ft	0-0 FT
			Sample Date	7/27/2011	7/27/2011	7/27/2011	8/9/2011	8/9/2011	8/24/2011	8/24/2011	9/7/2011	9/7/2011
			SDG	UFICHM2011-033	180-2422-1	180-2422-1	UFICHM2011-039	180-2865-1	UFICHM2011-044	180-3412-1	UFICHM2011-050	180-3715-1
			Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
			Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
			Sample Type	Surface water	Surface water	Surface water	Surface water	Surface water	Surface water	Surface water	Surface water	Surface water
Method	Parameter Name	Units	Filtered									
E1630	METHYL MERCURY	ug/L	N									
E1631	MERCURY	ug/L	N									
E1631	MERCURY	ug/L	Y									
SM2540D	Total Suspended Solids	mg/L	N		4			36		12		12
UFI SOP	Total Suspended Solids	mg/L	N	6.2			27.9		11.5		12.7	
UFI SOP	TURBIDITY	NTU	N	6.9			27.3		12.1		10	

			Field Sample ID	OL-1609-01		OL-1611-01		OL-1625-01		OL-1627-01		OL-1638-01	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth	0-0 Ft		0-0 FT		0-0 Ft		0-0 FT		0-0 FT	
			Sample Date	9/20/2011		9/20/2011		10/5/2011		10/5/2011		10/20/2011	
			SDG	UFICHM2011-058		180-4164-1		UFICHM2011-062		180-4640-1		UFICHM2011-067	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered										
E1630	METHYL MERCURY	ug/L	N										
E1631	MERCURY	ug/L	N										
E1631	MERCURY	ug/L	Y										
SM2540D	Total Suspended Solids	mg/L	N			9.2				5.2			
UFI SOP	Total Suspended Solids	mg/L	N	8.3				6.5				31.9	
UFI SOP	TURBIDITY	NTU	N	7.7				6.9				35.1	

			Field Sample ID	OL-1640-01		OL-1650-01		OL-1652-01		OL-1657-01		OL-1659-01		OL-1665-01		OL-1667-01		OL-1417-02		OL-1418-02	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	-		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	10/20/2011		11/3/2011		11/3/2011		11/15/2011		11/15/2011		11/29/2011		11/29/2011		6/15/2011		6/15/2011	
			SDG	180-5136-1		UFICHM2011-071		180-5591-1		UFICHM2011-076		180-5982-1		UFICHM2011-079		180-6293-1		240-1165-1		180-1138-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N															8.40E-05			
E1631	MERCURY	ug/L	N															0.0038			
E1631	MERCURY	ug/L	Y															0.0005	U		
SM2540D	Total Suspended Solids	mg/L	N	29				3.6	J			15				10				9.2	
UFI SOP	Total Suspended Solids	mg/L	N			6.8				18.3				9.1							
UFI SOP	TURBIDITY	NTU	N			8.5				18.1				8.4							

			Field Sample ID	OL-1420-02		OL-1429-02		OL-1430-02		OL-1431-02		OL-1440-02		OL-1441-02		OL-1442-02		OL-1452-02	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	6/15/2011		6/28/2011		6/29/2011		6/29/2011		7/12/2011		7/12/2011		7/12/2011		7/27/2011	
			SDG	UFICHM2011-021		UFICHM2011-024		240-1582-1		180-1574-1		UFICHM2011-028		240-1882-1		180-1902-1		UFICHM2011-033	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																
E1630	METHYL MERCURY	ug/L	N					8.80E-05						8.50E-05					
E1631	MERCURY	ug/L	N					0.0019						0.00072					
E1631	MERCURY	ug/L	Y					0.00047	J					0.00036	J				
SM2540D	Total Suspended Solids	mg/L	N							17						4			
UFI SOP	Total Suspended Solids	mg/L	N	18.4		23.5						7.5						6.5	
UFI SOP	TURBIDITY	NTU	N	9.3		16.4						7.2						3.9	

			Field Sample ID	OL-1453-02		OL-1454-02		OL-1464-02		OL-1465-02		OL-1466-02		OL-1478-02		OL-1479-02		OL-1480-02		OL-1492-02	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	7/27/2011		7/27/2011		8/9/2011		8/9/2011		8/9/2011		8/24/2011		8/24/2011		8/24/2011		9/7/2011	
			SDG	240-2293-1		180-2422-1		UFICHM2011-039		240-2745-1		180-2865-1		UFICHM2011-044		240-3171-1		180-3412-1		UFICHM2011-050	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	8.10E-05						1.60E-04						1.80E-04	J				
E1631	MERCURY	ug/L	N	0.00079	J					0.003	J					0.0012	J				
E1631	MERCURY	ug/L	Y	0.0005	UJ					0.00039	J					0.0005	UJ				
SM2540D	Total Suspended Solids	mg/L	N			16						30						6.8			
UFI SOP	Total Suspended Solids	mg/L	N					26.3						8.7						11.4	
UFI SOP	TURBIDITY	NTU	N					22.8						4.8						6.8	

			Field Sample ID	OL-1493-02		OL-1494-02		OL-1609-02		OL-1610-02		OL-1611-02		OL-1625-02		OL-1626-02		OL-1627-02		OL-1638-02	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/20/2011		9/20/2011		9/20/2011		10/5/2011		10/5/2011		10/5/2011		10/20/2011	
			SDG	240-3576-1		180-3715-1		UFICHM2011-058		240-4043-1		180-4164-1		UFICHM2011-062		240-4570-1		180-4640-1		UFICHM2011-067	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	3.00E-04	U					5.60E-05	J					6.40E-05					
E1631	MERCURY	ug/L	N	0.00086	J					0.0011	J					0.0012					
E1631	MERCURY	ug/L	Y	0.00071	J					0.00027	J										
SM2540D	Total Suspended Solids	mg/L	N			7.6						4						14			
UFI SOP	Total Suspended Solids	mg/L	N					5.6						12.1						15.2	
UFI SOP	TURBIDITY	NTU	N					4						6.7						10.5	

			Field Sample ID	OL-1639-02		OL-1640-02		OL-1650-02		OL-1651-02		OL-1652-02		OL-1657-02		OL-1658-02		OL-1659-02		OL-1665-02	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		-		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	10/20/2011		10/20/2011		11/3/2011		11/3/2011		11/3/2011		11/15/2011		11/15/2011		11/15/2011		11/29/2011	
			SDG	240-5108-1		180-5136-1		UFICHM2011-071		240-5566-1		180-5591-1		UFICHM2011-076		240-5953-1		180-5982-1		UFICHM2011-079	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	9.50E-05						6.50E-05						7.70E-05	J				
E1631	MERCURY	ug/L	N	0.0018	J					0.0017						0.002	J				
E1631	MERCURY	ug/L	Y																		
SM2540D	Total Suspended Solids	mg/L	N			18						6						60			
UFI SOP	Total Suspended Solids	mg/L	N					8.1						7.3						8	
UFI SOP	TURBIDITY	NTU	N					5.7						85.7						4.9	

			Field Sample ID	OL-1666-02		OL-1667-02		OL-1417-03		OL-1417-04		OL-1418-03		OL-1420-03		OL-1429-03		OL-1430-03		OL-1430-04	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	11/29/2011		11/29/2011		6/15/2011		6/15/2011		6/15/2011		6/15/2011		6/28/2011		6/29/2011		6/29/2011	
			SDG	240-6341-1		180-6293-1		240-1165-1		240-1165-1		180-1138-1		UFICHM2011-021		UFICHM2011-024		240-1582-1		240-1582-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	4.70E-05	J			8.30E-05		1.00E-04								1.10E-04		9.00E-05	
E1631	MERCURY	ug/L	N	0.00082				0.003		0.0037								0.0057	J	0.003	J
E1631	MERCURY	ug/L	Y					0.0005	U	0.0005	U							0.00019	J	0.00028	J
SM2540D	Total Suspended Solids	mg/L	N			3.6	J					6.8									
UFI SOP	Total Suspended Solids	mg/L	N											9.2		13					
UFI SOP	TURBIDITY	NTU	N											6.1		9.6					

			Field Sample ID	OL-1431-03		OL-1440-03		OL-1441-03		OL-1441-04		OL-1442-03		OL-1452-03		OL-1453-03	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 Ft		0-0 FT	
			Sample Date	6/29/2011		7/12/2011		7/12/2011		7/12/2011		7/12/2011		7/27/2011		7/27/2011	
			SDG	180-1574-1		UFICHM2011-028		240-1882-1		240-1882-1		180-1902-1		UFICHM2011-033		240-2293-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N					5.50E-05		6.80E-05						7.50E-05	
E1631	MERCURY	ug/L	N					0.00081		0.00071						0.0009	J
E1631	MERCURY	ug/L	Y					0.00048	J	0.00062						0.0005	UJ
SM2540D	Total Suspended Solids	mg/L	N	13								4					
UFI SOP	Total Suspended Solids	mg/L	N			8.5								6.7			
UFI SOP	TURBIDITY	NTU	N			6.4								5.3			

			Field Sample ID	OL-1453-04		OL-1454-03		OL-1464-03		OL-1465-03		OL-1465-04		OL-1466-03		OL-1478-03		OL-1479-03		OL-1479-04	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT	
			Sample Date	7/27/2011		7/27/2011		8/9/2011		8/9/2011		8/9/2011		8/9/2011		8/24/2011		8/24/2011		8/24/2011	
			SDG	240-2293-1		180-2422-1		UFICHM2011-039		240-2745-1		240-2745-1		180-2865-1		UFICHM2011-044		240-3171-1		240-3171-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	8.00E-05						1.80E-04		1.80E-04						1.80E-04	J	1.80E-04	J
E1631	MERCURY	ug/L	N	0.00058	J					0.0012	J	0.0026	J					0.0018	J	0.0014	J
E1631	MERCURY	ug/L	Y	0.0005	UJ					0.0005	U	0.0005	U					0.0005	UJ	0.0005	UJ
SM2540D	Total Suspended Solids	mg/L	N			3.6	J							43							
UFI SOP	Total Suspended Solids	mg/L	N					20.3								5.5					
UFI SOP	TURBIDITY	NTU	N					19								4.9					

			Field Sample ID	OL-1480-03		OL-1492-03		OL-1493-03		OL-1493-04		OL-1494-03		OL-1609-03		OL-1610-03		OL-1610-04		OL-1611-03	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/24/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/20/2011		9/20/2011		9/20/2011		9/20/2011	
			SDG	180-3412-1		UFICHM2011-050		240-3576-1		240-3576-1		180-3715-1		UFICHM2011-058		240-4043-1		240-4043-1		180-4164-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N					3.00E-04	U	3.00E-04	U					4.30E-05	J	6.50E-05	J		
E1631	MERCURY	ug/L	N					0.0051	J	0.0034	J					0.0039	J	0.0037	J		
E1631	MERCURY	ug/L	Y					0.0015	J	0.00074	J					0.00015	J	0.00018	J		
SM2540D	Total Suspended Solids	mg/L	N	4.8								66								7.6	
UFI SOP	Total Suspended Solids	mg/L	N			66.8								9.8							
UFI SOP	TURBIDITY	NTU	N			61.4								5.9							

			Field Sample ID	OL-1625-03		OL-1626-03		OL-1626-04		OL-1627-03		OL-1638-03		OL-1639-03		OL-1639-04		OL-1640-03		OL-1650-03	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		-		0-0 FT	
			Sample Date	10/5/2011		10/5/2011		10/5/2011		10/5/2011		10/20/2011		10/20/2011		10/20/2011		10/20/2011		11/3/2011	
			SDG	UFICHM2011-062		240-4570-1		240-4570-1		180-4640-1		UFICHM2011-067		240-5108-1		240-5108-1		180-5136-1		UFICHM2011-071	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N			8.00E-05		8.40E-05						9.70E-05		9.30E-05					
E1631	MERCURY	ug/L	N			0.002		0.0017						0.0099	J	0.002	J				
E1631	MERCURY	ug/L	Y																		
SM2540D	Total Suspended Solids	mg/L	N							10								21			
UFI SOP	Total Suspended Solids	mg/L	N	10.9								24.3								4.2	
UFI SOP	TURBIDITY	NTU	N	7.7								19.2								5.2	

			Field Sample ID	OL-1651-03		OL-1651-04		OL-1652-03		OL-1657-03		OL-1658-03		OL-1658-04		OL-1659-03		OL-1665-03		OL-1666-03	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	11/3/2011		11/3/2011		11/3/2011		11/15/2011		11/15/2011		11/15/2011		11/15/2011		11/29/2011		11/29/2011	
			SDG	240-5566-1		240-5566-1		180-5591-1		UFICHM2011-076		240-5953-1		240-5953-1		180-5982-1		UFICHM2011-079		240-6341-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample		Field duplicate		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	4.50E-05	J	4.60E-05	J					4.00E-05	J	7.50E-05	J					4.40E-05	J
E1631	MERCURY	ug/L	N	0.0014	J	0.00033	J					0.0093	J	0.0026	J					0.0012	
E1631	MERCURY	ug/L	Y																		
SM2540D	Total Suspended Solids	mg/L	N					3.6	J							82					
UFI SOP	Total Suspended Solids	mg/L	N							59								3.9			
UFI SOP	TURBIDITY	NTU	N							55.4								4.4			

			Field Sample ID	OL-1666-04		OL-1667-03		OL-1417-05		OL-1418-04		OL-1420-04		OL-1429-04		OL-1430-05		OL-1431-04		OL-1440-04	
			Location	NMCK-Rte48		NMCK-Rte48		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	11/29/2011		11/29/2011		6/15/2011		6/15/2011		6/15/2011		6/28/2011		6/29/2011		6/29/2011		7/12/2011	
			SDG	240-6341-1		180-6293-1		240-1165-1		180-1138-1		UFICHM2011-021		UFICHM2011-024		240-1582-1		180-1574-1		UFICHM2011-028	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	3.00E-05	J			1.60E-04								1.40E-04					
E1631	MERCURY	ug/L	N	0.00075				0.0044								0.0022					
E1631	MERCURY	ug/L	Y					0.0005	U							0.00047	J				
SM2540D	Total Suspended Solids	mg/L	N			4	U			62								110			
UFI SOP	Total Suspended Solids	mg/L	N											86.6						8.9	
UFI SOP	TURBIDITY	NTU	N									68.6		113						9.7	

			Field Sample ID	OL-1441-05		OL-1442-04		OL-1452-04		OL-1453-05		OL-1454-04		OL-1464-04		OL-1465-05		OL-1466-04		OL-1478-04	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	7/12/2011		7/12/2011		7/27/2011		7/27/2011		7/27/2011		8/9/2011		8/9/2011		8/9/2011		8/24/2011	
			SDG	240-1882-1		180-1902-1		UFICHM2011-033		240-2293-1		180-2422-1		UFICHM2011-039		240-2745-1		180-2865-1		UFICHM2011-044	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	7.10E-05						1.10E-04						1.50E-04					
E1631	MERCURY	ug/L	N	0.00055						0.00074	J					0.0019	J				
E1631	MERCURY	ug/L	Y	0.00042	J					0.0005	UJ					0.0005	U				
SM2540D	Total Suspended Solids	mg/L	N			3.2	J					9.2						11			
UFI SOP	Total Suspended Solids	mg/L	N					18.1						40.2						15.2	
UFI SOP	TURBIDITY	NTU	N					19.3						38						17	

			Field Sample ID	OL-1479-05		OL-1480-04		OL-1492-04		OL-1493-05		OL-1494-04		OL-1609-04		OL-1610-05		OL-1611-04		OL-1625-04	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	8/24/2011		8/24/2011		9/7/2011		9/7/2011		9/7/2011		9/20/2011		9/20/2011		9/20/2011		10/5/2011	
			SDG	240-3171-1		180-3412-1		UFICHM2011-050		240-3576-1		180-3715-1		UFICHM2011-058		240-4043-1		180-4164-1		UFICHM2011-062	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	1.20E-04	J					3.00E-04	U					5.30E-05	J				
E1631	MERCURY	ug/L	N	0.00075	J					0.0017	J					0.0009	J				
E1631	MERCURY	ug/L	Y	0.0005	UJ					0.00064	J					0.00017	J				
SM2540D	Total Suspended Solids	mg/L	N			13						64						12			
UFI SOP	Total Suspended Solids	mg/L	N					63.8						11.1						31.2	
UFI SOP	TURBIDITY	NTU	N					60.1						11.5						32.8	

			Field Sample ID	OL-1626-05		OL-1627-04		OL-1638-04		OL-1639-05		OL-1640-04		OL-1650-04		OL-1651-05		OL-1652-04		OL-1657-04	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		-		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	10/5/2011		10/5/2011		10/20/2011		10/20/2011		10/20/2011		11/3/2011		11/3/2011		11/3/2011		11/15/2011	
			SDG	240-4570-1		180-4640-1		UFICHM2011-067		240-5108-1		180-5136-1		UFICHM2011-071		240-5566-1		180-5591-1		UFICHM2011-076	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered																		
E1630	METHYL MERCURY	ug/L	N	5.20E-05						4.50E-05	J					3.00E-05	J				
E1631	MERCURY	ug/L	N	0.00078						0.00055	J					0.00072					
E1631	MERCURY	ug/L	Y																		
SM2540D	Total Suspended Solids	mg/L	N			29						64						9.6			
UFI SOP	Total Suspended Solids	mg/L	N					56.3						17.6						682	
UFI SOP	TURBIDITY	NTU	N					69.5						24.1						660	

			Field Sample ID	OL-1658-05		OL-1659-04		OL-1665-04		OL-1666-05		OL-1667-04	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	11/15/2011		11/15/2011		11/29/2011		11/29/2011		11/29/2011	
			SDG	240-5953-1		180-5982-1		UFICHM2011-079		240-6341-1		180-6293-1	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered										
E1630	METHYL MERCURY	ug/L	N	7.50E-05	J					4.50E-04			
E1631	MERCURY	ug/L	N	0.0021	J					0.0006			
E1631	MERCURY	ug/L	Y										
SM2540D	Total Suspended Solids	mg/L	N			710						10	
UFI SOP	Total Suspended Solids	mg/L	N					17.4					
UFI SOP	TURBIDITY	NTU	N					21.4					

			Field Sample ID	OL-1495-01		OL-1496-01		OL-1497-01		OL-1499-01		OL-1498-01		OL-1600-01		OL-1495-02	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		FIELD QC		LEYCK-Park	
			Sample Depth													0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/9/2011		9/9/2011		9/7/2011	
			Sample Time	14:10		14:10		14:10		11:55		11:55		11:55		14:55	
			SDG	UFICHM2011-051		240-3638-1		180-3757-1		240-3729-1		UFICHM2011-051		180-3791-1		UFICHM2011-051	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Field blank		Field blank		Regular sample	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00001	U			0.00001	U						
E1631	MERCURY	ug/L	N			0.00021	J			0.00012	U						
SM2540D	Total Suspended Solids	mg/L	N														
SW8082	AROCLOR-1016	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1221	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1232	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1242	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1248	ug/L	N					0.036						0.027			
SW8082	AROCLOR-1254	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1260	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1262	ug/L	N					0.01	U					0.012	U		
SW8082	AROCLOR-1268	ug/L	N					0.01	U					0.012	U		
SW8082	PCBS, N.O.S.	ug/L	N					0.036						0.027			
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U							2.5	U			40.4	
UFI SOP	TURBIDITY	NTU	N	0.8	J							0.8	U			27.3	J

			Field Sample ID	OL-1495-06		OL-1497-02		OL-1497-06		OL-1495-10		OL-1495-14		OL-1497-10		OL-1497-14	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	18:15		14:55		18:15		9:18		10:45		9:18		10:45	
			SDG	UFICHM2011-051		180-3757-1		180-3757-1		UFICHM2011-051		UFICHM2011-051		180-3757-1		180-3757-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N			69		100						25		25	
SW8082	AROCLOR-1016	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1221	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1232	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1242	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1248	ug/L	N			0.13		0.23						0.13		0.11	
SW8082	AROCLOR-1254	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1260	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1262	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	AROCLOR-1268	ug/L	N			0.0094	U	0.0094	U					0.0094	U	0.0095	U
SW8082	PCBS, N.O.S.	ug/L	N			0.13		0.23						0.13		0.11	
UFI SOP	Total Suspended Solids	mg/L	N	82.9						35.1		31.2					
UFI SOP	TURBIDITY	NTU	N	36.2	J					21.3	J	23.1	J				

			Field Sample ID	OL-1498-02		OL-1600-02		OL-1498-06		OL-1600-06		OL-1495-03		OL-1495-07		OL-1496-02	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/9/2011		9/9/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	17:40		17:40		12:20		12:20		15:20		17:18		15:20	
			SDG	UFICHM2011-051		180-3791-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		UFICHM2011-051		240-3638-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N													0.0003	U
E1631	MERCURY	ug/L	N													0.0048	
SM2540D	Total Suspended Solids	mg/L	N			26				16							
SW8082	AROCLOR-1016	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1221	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1232	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1242	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1248	ug/L	N			0.089				0.048							
SW8082	AROCLOR-1254	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1260	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1262	ug/L	N			0.0094	U			0.0094	U						
SW8082	AROCLOR-1268	ug/L	N			0.0094	U			0.0094	U						
SW8082	PCBS, N.O.S.	ug/L	N			0.089				0.048							
UFI SOP	Total Suspended Solids	mg/L	N	21.9				41.4				32.3		17.6			
UFI SOP	TURBIDITY	NTU	N	25.9				12.2				12.5	J	8.9	J		

			Field Sample ID	OL-1496-06		OL-1497-03		OL-1497-07		OL-1499-02		OL-1499-06		OL-1495-11		OL-1495-15	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/8/2011		9/8/2011	
			Sample Time	17:18		15:20		17:18		16:50		11:10		8:20		9:55	
			SDG	240-3638-1		180-3757-1		180-3757-1		240-3729-1		240-3729-1		UFICHM2011-051		UFICHM2011-051	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00032						0.00033		0.0003	U				
E1631	MERCURY	ug/L	N	0.0016						0.016		0.0035					
SM2540D	Total Suspended Solids	mg/L	N			15		16									
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N											199.6		83.2	
UFI SOP	TURBIDITY	NTU	N											157	J	114	J

			Field Sample ID	OL-1496-09		OL-1496-12		OL-1497-11		OL-1497-15		OL-1498-03		OL-1600-03		OL-1498-07	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/9/2011	
			Sample Time	8:20		9:55		8:20		9:55		16:50		16:50		11:10	
			SDG	240-3638-1		240-3638-1		180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1		UFICHM2011-051	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00045		0.00036											
E1631	MERCURY	ug/L	N	0.029		0.021											
SM2540D	Total Suspended Solids	mg/L	N					200		130				96			
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N									94				30.7	
UFI SOP	TURBIDITY	NTU	N									71.4				24.7	

			Field Sample ID	OL-1600-07		OL-1495-04		OL-1495-08		OL-1496-03		OL-1496-07		OL-1497-04		OL-1497-08	
			Location	NMCK-Amboy		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/9/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	11:10		15:45		16:50		15:45		16:50		15:45		16:50	
			SDG	180-3791-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1		180-3757-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N							0.0003	U	0.0003	U				
E1631	MERCURY	ug/L	N							0.0073		0.0049					
SM2540D	Total Suspended Solids	mg/L	N	37										17		16	
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N			19.3		11.9									
UFI SOP	TURBIDITY	NTU	N			13.5	J	9.6	J								

			Field Sample ID	OL-1499-03		OL-1499-07		OL-1495-12		OL-1495-16		OL-1496-10		OL-1496-13		OL-1497-12	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	16:30		10:50		8:00		9:40		8:00		9:40		8:00	
			SDG	240-3729-1		240-3729-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00047		0.0003	U					0.00046		0.00054			
E1631	MERCURY	ug/L	N	0.022		0.0048						0.064		0.079			
SM2540D	Total Suspended Solids	mg/L	N													310	
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N					387.6		266.5							
UFI SOP	TURBIDITY	NTU	N					250	J	187	J						

			Field Sample ID	OL-1497-16		OL-1498-04		OL-1600-04		OL-1498-08		OL-1600-08		OL-1495-05		OL-1495-09	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/9/2011		9/9/2011		9/7/2011		9/7/2011	
			Sample Time	9:40		16:30		16:30		10:50		10:50		14:25		17:50	
			SDG	180-3757-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		UFICHM2011-051	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N	260				130				38					
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N			124				29.5				73.4		160.2	
UFI SOP	TURBIDITY	NTU	N			78.6				25				30.7	J	63.3	J

			Field Sample ID	OL-1496-05		OL-1496-08		OL-1497-05		OL-1497-09		OL-1499-05		OL-1499-08		OL-1495-13	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/8/2011	
			Sample Time	14:25		17:50		14:25		17:50		17:15		11:45		9:00	
			SDG	240-3638-1		240-3638-1		180-3757-1		180-3757-1		240-3729-1		240-3729-1		UFICHM2011-051	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00035		0.00043						0.00033		0.0003	U		
E1631	MERCURY	ug/L	N	0.018		0.042						0.0095		0.0022			
SM2540D	Total Suspended Solids	mg/L	N					96		200							
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N													464	
UFI SOP	TURBIDITY	NTU	N													385	J

			Field Sample ID	OL-1495-17		OL-1496-11		OL-1496-14		OL-1497-13		OL-1497-17		OL-1498-05		OL-1600-05	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 Ft		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	10:20		9:00		10:20		9:00		10:20		17:15		17:15	
			SDG	UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00019		0.00041									
E1631	MERCURY	ug/L	N			0.017		0.014									
SM2540D	Total Suspended Solids	mg/L	N							430		310				270	
SW8082	AROCLOR-1016	ug/L	N														
SW8082	AROCLOR-1221	ug/L	N														
SW8082	AROCLOR-1232	ug/L	N														
SW8082	AROCLOR-1242	ug/L	N														
SW8082	AROCLOR-1248	ug/L	N														
SW8082	AROCLOR-1254	ug/L	N														
SW8082	AROCLOR-1260	ug/L	N														
SW8082	AROCLOR-1262	ug/L	N														
SW8082	AROCLOR-1268	ug/L	N														
SW8082	PCBS, N.O.S.	ug/L	N														
UFI SOP	Total Suspended Solids	mg/L	N	330										264			
UFI SOP	TURBIDITY	NTU	N	299	J									257			

			Field Sample ID	OL-1498-09		OL-1600-09	
			Location	ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT	
			Sample Date	9/9/2011		9/9/2011	
			Sample Time	11:45		11:45	
			SDG	UFICHM2011-051		180-3791-1	
			Matrix	WATER		WATER	
			Sample Purpose	Regular sample		Regular sample	
			Sample Type	Surface water		Surface water	
Method	Parameter Name	Units	Filtered				
E1630	METHYL MERCURY	ug/L	N				
E1631	MERCURY	ug/L	N				
SM2540D	Total Suspended Solids	mg/L	N			93	
SW8082	AROCLOR-1016	ug/L	N				
SW8082	AROCLOR-1221	ug/L	N				
SW8082	AROCLOR-1232	ug/L	N				
SW8082	AROCLOR-1242	ug/L	N				
SW8082	AROCLOR-1248	ug/L	N				
SW8082	AROCLOR-1254	ug/L	N				
SW8082	AROCLOR-1260	ug/L	N				
SW8082	AROCLOR-1262	ug/L	N				
SW8082	AROCLOR-1268	ug/L	N				
SW8082	PCBS, N.O.S.	ug/L	N				
UFI SOP	Total Suspended Solids	mg/L	N	79			
UFI SOP	TURBIDITY	NTU	N	72.2			

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR STORM WATER MONITORING SAMPLES

			Field Sample ID	OL-1485-01		OL-1486-01		OL-1485-02		OL-1485-06		OL-1485-10		OL-1485-14		OL-1487-02	
			Location	FIELD QC		FIELD QC		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth					0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011	
			Sample Time	12:10		12:10		13:25		15:38		18:50		20:25		13:25	
			SDG	UFICHM2011-048		240-3343-1		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		180-3496-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Blank water (field)		Blank water (field)		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00001	U										
E1631	MERCURY	ug/L	N			0.00012	U										
SM2540D	Total Suspended Solids	mg/L	N													28	
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U			17		37.7		71.6		48			
UFI SOP	TURBIDITY	NTU	N	0.8	U			13.4		25.1		29.9		36.7			

			Field Sample ID	OL-1487-06		OL-1487-10		OL-1487-14		OL-1485-18		OL-1485-22		OL-1487-18		OL-1487-22	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			Sample Time	15:38		18:50		20:25		9:10		11:00		9:10		11:00	
			SDG	180-3496-1		180-3496-1		180-3496-1		UFICHM2011-048		UFICHM2011-048		180-3496-1		180-3496-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N	36		91		59						24		16	
UFI SOP	Total Suspended Solids	mg/L	N							19.2		15.3					
UFI SOP	TURBIDITY	NTU	N							18.7		17					

			Field Sample ID	OL-1485-03		OL-1485-07		OL-1485-11		OL-1485-15		OL-1486-02		OL-1486-06		OL-1486-09
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011
			Sample Time	12:15		14:35		17:50		19:30		12:15		14:35		17:50
			SDG	UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		240-3343-1		240-3343-1		240-3343-1
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water
Method	Parameter Name	Units	Filtered													
E1630	METHYL MERCURY	ug/L	N									0.0003	U	0.00008	J	0.000064
E1631	MERCURY	ug/L	N									0.0024		0.0029		0.0042
SM2540D	Total Suspended Solids	mg/L	N													
UFI SOP	Total Suspended Solids	mg/L	N	11.8		12.5		19.1		20.3						
UFI SOP	TURBIDITY	NTU	N	4.6		7.2		12.1		14.3						

			Field Sample ID	OL-1486-12		OL-1487-03		OL-1487-07		OL-1487-11		OL-1487-15		OL-1485-19		OL-1485-23	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/29/2011		8/29/2011	
			Sample Time	19:30		12:15		14:35		17:50		19:30		8:10		10:00	
			SDG	240-3343-1		180-3496-1		180-3496-1		180-3496-1		180-3496-1		UFICHM2011-048		UFICHM2011-048	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.0001													
E1631	MERCURY	ug/L	N	0.0035													
SM2540D	Total Suspended Solids	mg/L	N			12		10		19		18					
UFI SOP	Total Suspended Solids	mg/L	N											15.6		18.2	
UFI SOP	TURBIDITY	NTU	N											14.5		14.6	

			Field Sample ID	OL-1486-15		OL-1486-18		OL-1487-19		OL-1487-23		OL-1485-04		OL-1485-08		OL-1485-12	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/28/2011		8/28/2011		8/28/2011	
			Sample Time	8:10		10:00		8:10		10:00		12:00		14:05		17:30	
			SDG	240-3343-1		240-3343-1		180-3496-1		180-3496-1		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.000088		0.000087											
E1631	MERCURY	ug/L	N	0.0032		0.003											
SM2540D	Total Suspended Solids	mg/L	N					18		17							
UFI SOP	Total Suspended Solids	mg/L	N									13.1		44.4		30.1	
UFI SOP	TURBIDITY	NTU	N									14.2		41.2		30.3	

			Field Sample ID	OL-1485-16		OL-1486-03		OL-1486-07		OL-1486-10		OL-1486-13		OL-1487-04		OL-1487-08	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011	
			Sample Time	19:00		12:00		14:05		17:30		19:00		12:00		14:05	
			SDG	UFICHM2011-048		240-3343-1		240-3343-1		240-3343-1		240-3343-1		180-3496-1		180-3496-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.000031	J	0.00006		0.0003	U	0.000085					
E1631	MERCURY	ug/L	N			0.0088		0.0093		0.0087		0.0066					
SM2540D	Total Suspended Solids	mg/L	N											18		46	
UFI SOP	Total Suspended Solids	mg/L	N	17.4													
UFI SOP	TURBIDITY	NTU	N	17.2													

			Field Sample ID	OL-1487-12		OL-1487-16		OL-1485-20		OL-1485-24		OL-1486-16		OL-1486-19		OL-1487-20	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			Sample Time	17:30		19:00		7:45		9:40		7:45		9:40		7:45	
			SDG	180-3496-1		180-3496-1		UFICHM2011-048		UFICHM2011-048		240-3343-1		240-3343-1		180-3496-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N									0.000092		0.000077			
E1631	MERCURY	ug/L	N									0.0037		0.0025			
SM2540D	Total Suspended Solids	mg/L	N	32		21										14	
UFI SOP	Total Suspended Solids	mg/L	N					14.8		9.2							
UFI SOP	TURBIDITY	NTU	N					11.3		8.3							

			Field Sample ID	OL-1487-24		OL-1485-05		OL-1485-09		OL-1485-13		OL-1485-17		OL-1486-05		OL-1486-08	
			Location	NMCK-Rte48		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/29/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011	
			Sample Time	9:40		13:00		15:09		18:22		20:10		13:00		15:09	
			SDG	180-3496-1		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		UFICHM2011-048		240-3343-1		240-3343-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N											0.00012		0.00022	J
E1631	MERCURY	ug/L	N											0.011		0.014	
SM2540D	Total Suspended Solids	mg/L	N	15													
UFI SOP	Total Suspended Solids	mg/L	N			39.3		71.2		167.6		292					
UFI SOP	TURBIDITY	NTU	N			22.4		45.5		107		252					

			Field Sample ID	OL-1486-11		OL-1486-14		OL-1487-05		OL-1487-09		OL-1487-13		OL-1487-17		OL-1485-21	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/28/2011		8/29/2011	
			Sample Time	18:22		20:10		13:00		15:09		18:22		20:10		8:40	
			SDG	240-3343-1		240-3343-1		180-3496-1		180-3496-1		180-3496-1		180-3496-1		UFICHM2011-048	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00014		0.00034											
E1631	MERCURY	ug/L	N	0.011		0.014											
SM2540D	Total Suspended Solids	mg/L	N					66		100		190		340			
UFI SOP	Total Suspended Solids	mg/L	N													395.6	
UFI SOP	TURBIDITY	NTU	N													400	

			Field Sample ID	OL-1485-25		OL-1486-17		OL-1486-20		OL-1487-21		OL-1487-25	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	8/29/2011		8/29/2011		8/29/2011		8/29/2011		8/29/2011	
			Sample Time	10:45		8:40		10:45		8:40		10:45	
			SDG	UFICHM2011-048		240-3343-1		240-3343-1		180-3496-1		180-3496-1	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered										
E1630	METHYL MERCURY	ug/L	N			0.00031		0.00028					
E1631	MERCURY	ug/L	N			0.003		0.014					
SM2540D	Total Suspended Solids	mg/L	N							380		310	
UFI SOP	Total Suspended Solids	mg/L	N	345									
UFI SOP	TURBIDITY	NTU	N	384									

			Field Sample ID	OL-1495-01		OL-1496-01		OL-1499-01		OL-1498-01		OL-1495-02		OL-1495-06		OL-1497-02	
			Location	FIELD QC		FIELD QC		FIELD QC		FIELD QC		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth									0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/9/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	14:10		14:10		11:55		11:55		14:55		18:15		14:55	
			SDG	UFICHM2011-051		240-3638-1		240-3729-1		UFICHM2011-051		UFICHM2011-051		UFICHM2011-051		180-3757-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Field blank		Field blank		Field blank		Field blank		Regular sample		Regular sample		Regular sample	
			Sample Type	Blank water (field)		Blank water (field)		Blank water (field)		Blank water (field)		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00001	U	0.00001	U								
E1631	MERCURY	ug/L	N			0.00021	J	0.00012	U								
SM2540D	Total Suspended Solids	mg/L	N													69	
UFI SOP	Total Suspended Solids	mg/L	N	2.5	U					2.5	U	40.4		82.9			
UFI SOP	TURBIDITY	NTU	N	0.8	J					0.8	U	27.3	J	36.2	J		

			Field Sample ID	OL-1497-06		OL-1495-10		OL-1495-14		OL-1497-10		OL-1497-14		OL-1498-02		OL-1600-02	
			Location	LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park		LEYCK-Park	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	18:15		9:18		10:45		9:18		10:45		17:40		17:40	
			SDG	180-3757-1		UFICHM2011-051		UFICHM2011-051		180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N	100						25		25				26	
UFI SOP	Total Suspended Solids	mg/L	N			35.1		31.2						21.9			
UFI SOP	TURBIDITY	NTU	N			21.3	J	23.1	J					25.9			

			Field Sample ID	OL-1498-06		OL-1600-06		OL-1495-03		OL-1495-07		OL-1496-02		OL-1496-06		OL-1497-03	
			Location	LEYCK-Park		LEYCK-Park		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/9/2011		9/9/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	12:20		12:20		15:20		17:18		15:20		17:18		15:20	
			SDG	UFICHM2011-051		180-3791-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N									0.0003	U	0.00032			
E1631	MERCURY	ug/L	N									0.0048		0.0016			
SM2540D	Total Suspended Solids	mg/L	N			16										15	
UFI SOP	Total Suspended Solids	mg/L	N	41.4				32.3		17.6							
UFI SOP	TURBIDITY	NTU	N	12.2				12.5	J	8.9	J						

			Field Sample ID	OL-1497-07		OL-1499-02		OL-1499-06		OL-1495-11		OL-1495-15		OL-1496-09		OL-1496-12	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	17:18		16:50		11:10		8:20		9:55		8:20		9:55	
			SDG	180-3757-1		240-3729-1		240-3729-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.00033		0.0003	U					0.00045		0.00036	
E1631	MERCURY	ug/L	N			0.016		0.0035						0.029		0.021	
SM2540D	Total Suspended Solids	mg/L	N	16													
UFI SOP	Total Suspended Solids	mg/L	N							199.6		83.2					
UFI SOP	TURBIDITY	NTU	N							157	J	114	J				

			Field Sample ID	OL-1497-11		OL-1497-15		OL-1498-03		OL-1600-03		OL-1498-07		OL-1600-07		OL-1495-04	
			Location	NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Amboy		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/9/2011		9/9/2011		9/7/2011	
			Sample Time	8:20		9:55		16:50		16:50		11:10		11:10		15:45	
			SDG	180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		180-3791-1		UFICHM2011-051	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N														
E1631	MERCURY	ug/L	N														
SM2540D	Total Suspended Solids	mg/L	N	200		130				96				37			
UFI SOP	Total Suspended Solids	mg/L	N					94				30.7				19.3	
UFI SOP	TURBIDITY	NTU	N					71.4				24.7				13.5	J

			Field Sample ID	OL-1495-08		OL-1496-03		OL-1496-07		OL-1497-04		OL-1497-08		OL-1499-03		OL-1499-07	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	16:50		15:45		16:50		15:45		16:50		16:30		10:50	
			SDG	UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1		180-3757-1		240-3729-1		240-3729-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N			0.0003	U	0.0003	U					0.00047		0.0003	U
E1631	MERCURY	ug/L	N			0.0073		0.0049						0.022		0.0048	
SM2540D	Total Suspended Solids	mg/L	N							17		16					
UFI SOP	Total Suspended Solids	mg/L	N	11.9													
UFI SOP	TURBIDITY	NTU	N	9.6	J												

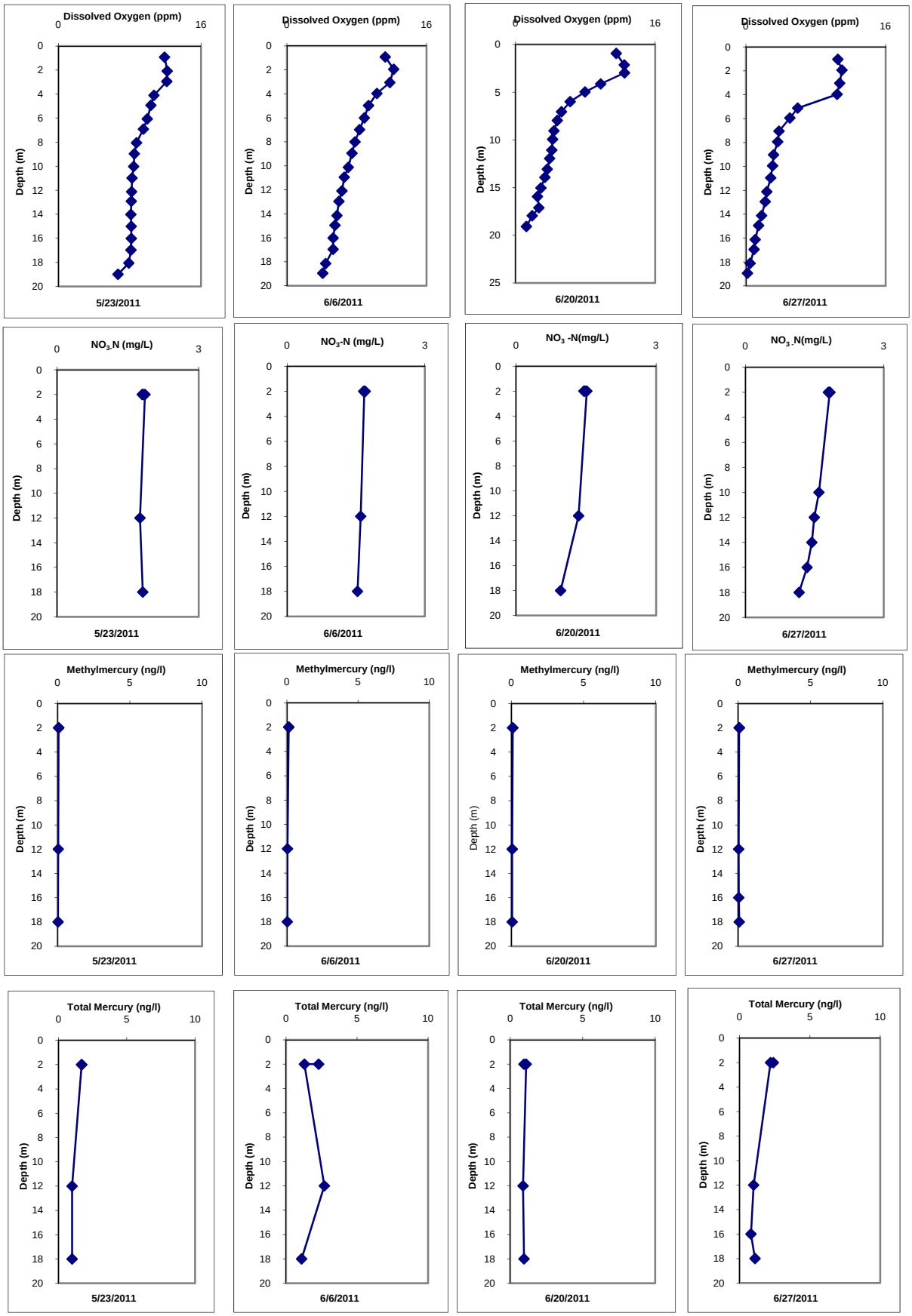
			Field Sample ID	OL-1495-12		OL-1495-16		OL-1496-10		OL-1496-13		OL-1497-12		OL-1497-16		OL-1498-04	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		NMCK-Rte48	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	8:00		9:40		8:00		9:40		8:00		9:40		16:30	
			SDG	UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1		180-3757-1		180-3757-1		UFICHM2011-051	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N					0.00046		0.00054							
E1631	MERCURY	ug/L	N					0.064		0.079							
SM2540D	Total Suspended Solids	mg/L	N									310		260			
UFI SOP	Total Suspended Solids	mg/L	N	387.6		266.5										124	
UFI SOP	TURBIDITY	NTU	N	250	J	187	J									78.6	

			Field Sample ID	OL-1600-04		OL-1498-08		OL-1600-08		OL-1495-05		OL-1495-09		OL-1496-05		OL-1496-08	
			Location	NMCK-Rte48		NMCK-Rte48		NMCK-Rte48		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/9/2011		9/9/2011		9/7/2011		9/7/2011		9/7/2011		9/7/2011	
			Sample Time	16:30		10:50		10:50		14:25		17:50		14:25		17:50	
			SDG	180-3791-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		UFICHM2011-051		240-3638-1		240-3638-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N											0.00035		0.00043	
E1631	MERCURY	ug/L	N											0.018		0.042	
SM2540D	Total Suspended Solids	mg/L	N	130				38									
UFI SOP	Total Suspended Solids	mg/L	N			29.5				73.4		160.2					
UFI SOP	TURBIDITY	NTU	N			25				30.7	J	63.3	J				

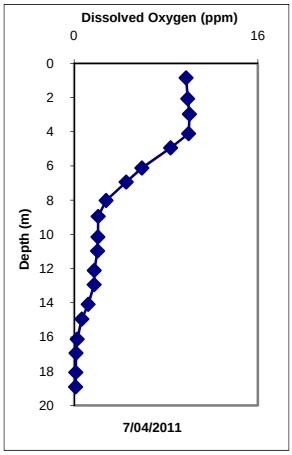
			Field Sample ID	OL-1497-05		OL-1497-09		OL-1499-05		OL-1499-08		OL-1495-13		OL-1495-17		OL-1496-11	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 Ft	
			Sample Date	9/7/2011		9/7/2011		9/7/2011		9/7/2011		9/8/2011		9/8/2011		9/8/2011	
			Sample Time	14:25		17:50		17:15		11:45		9:00		10:20		9:00	
			SDG	180-3757-1		180-3757-1		240-3729-1		240-3729-1		UFICHM2011-051		UFICHM2011-051		240-3638-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N					0.00033		0.0003	U					0.00019	
E1631	MERCURY	ug/L	N					0.0095		0.0022						0.017	
SM2540D	Total Suspended Solids	mg/L	N	96		200											
UFI SOP	Total Suspended Solids	mg/L	N									464		330			
UFI SOP	TURBIDITY	NTU	N									385	J	299	J		

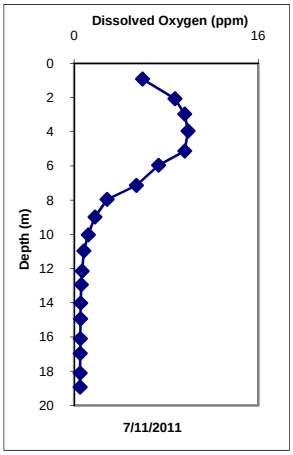
			Field Sample ID	OL-1496-14		OL-1497-13		OL-1497-17		OL-1498-05		OL-1600-05		OL-1498-09		OL-1600-09	
			Location	ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer		ONCK-Spencer	
			Sample Depth	0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT		0-0 FT	
			Sample Date	9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/8/2011		9/9/2011		9/9/2011	
			Sample Time	10:20		9:00		10:20		17:15		17:15		11:45		11:45	
			SDG	240-3638-1		180-3757-1		180-3757-1		UFICHM2011-051		180-3791-1		UFICHM2011-051		180-3791-1	
			Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Surface water		Surface water		Surface water		Surface water		Surface water		Surface water		Surface water	
Method	Parameter Name	Units	Filtered														
E1630	METHYL MERCURY	ug/L	N	0.00041													
E1631	MERCURY	ug/L	N	0.014													
SM2540D	Total Suspended Solids	mg/L	N			430		310				270				93	
UFI SOP	Total Suspended Solids	mg/L	N							264				79			
UFI SOP	TURBIDITY	NTU	N							257				72.2			

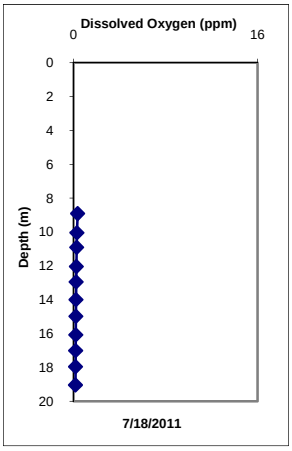
2011 Water Quality Results: South Deep

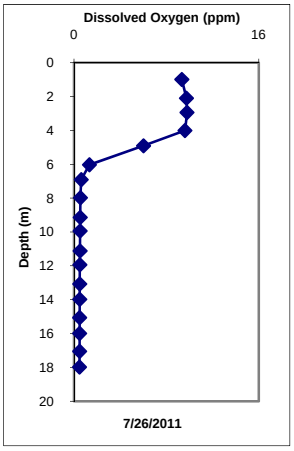


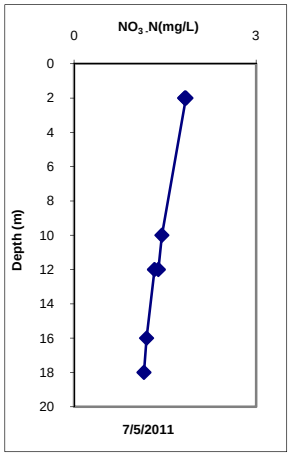
2011 Water Quality Results: South Deep

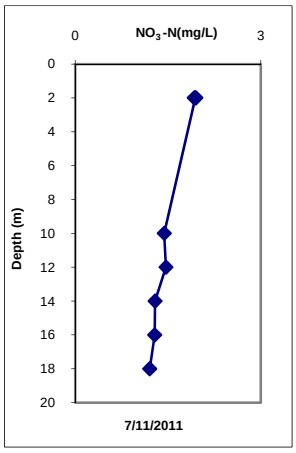


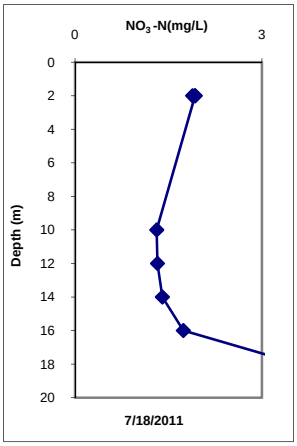


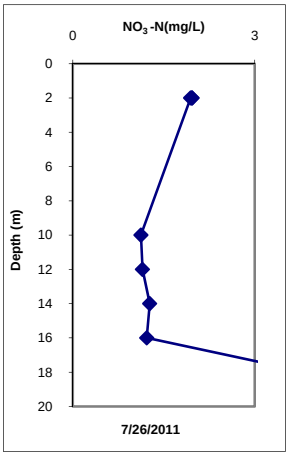


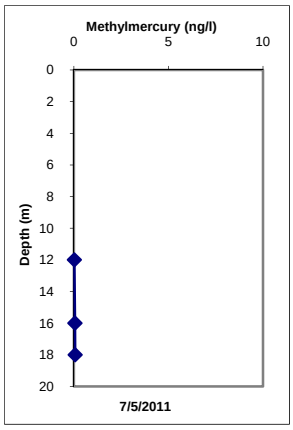


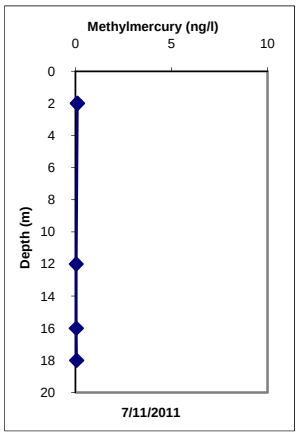


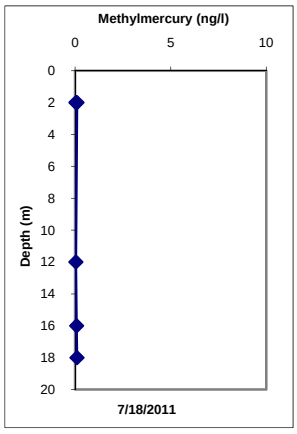


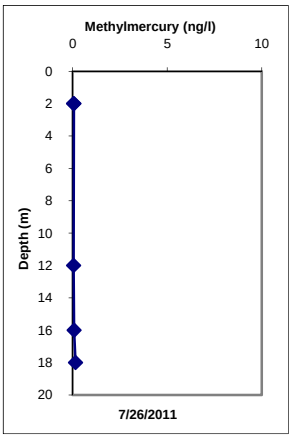


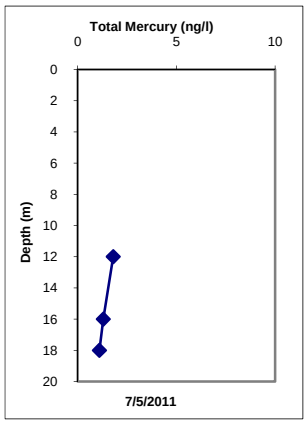


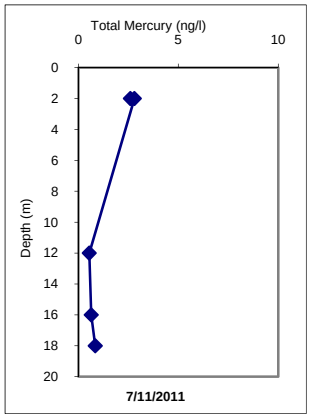


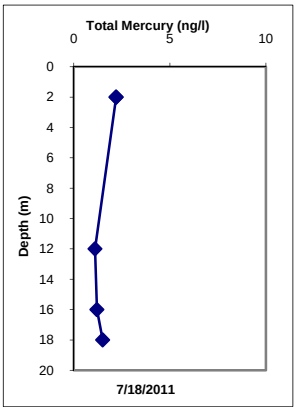


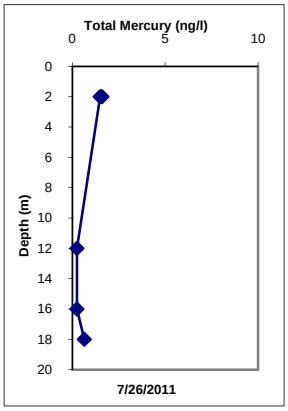




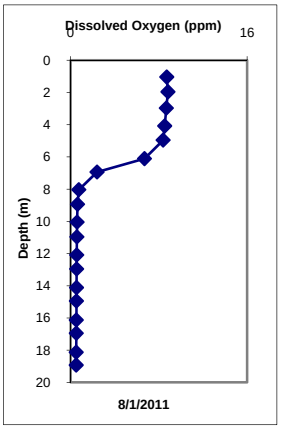


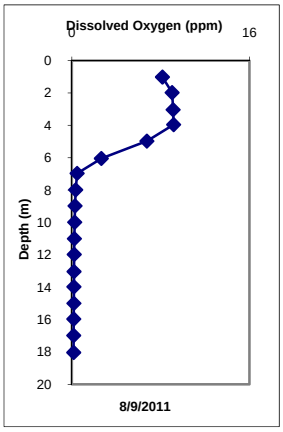


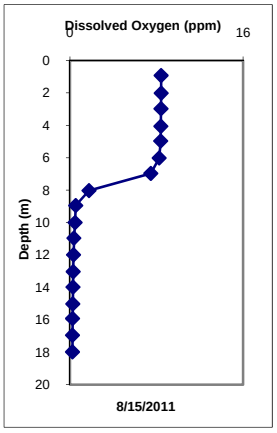


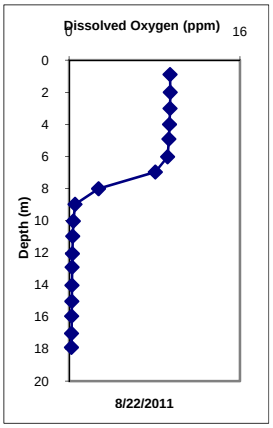


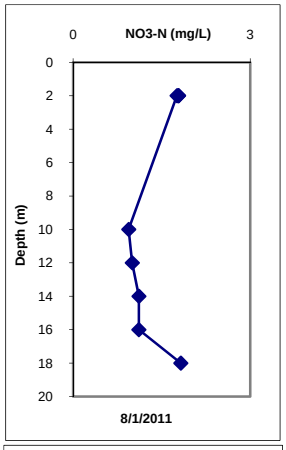
2011 Water Quality Results: South Deep

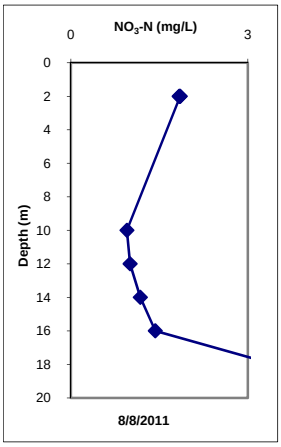


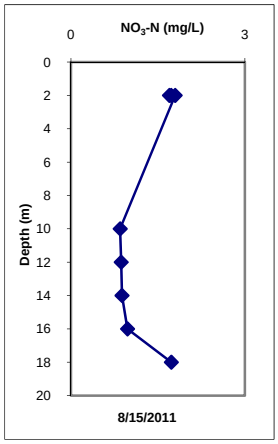


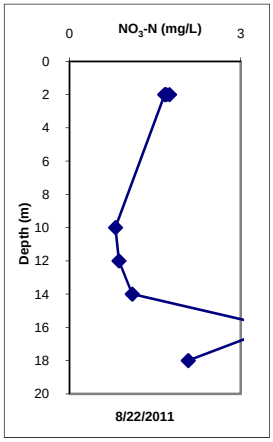


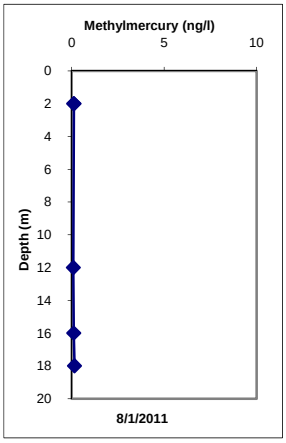


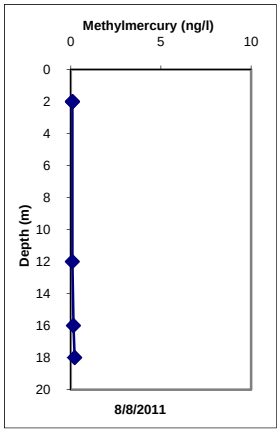


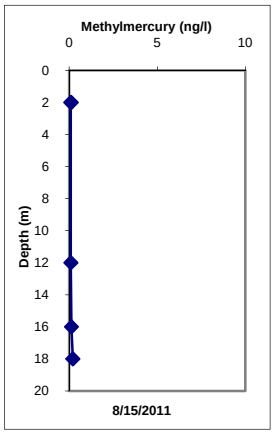


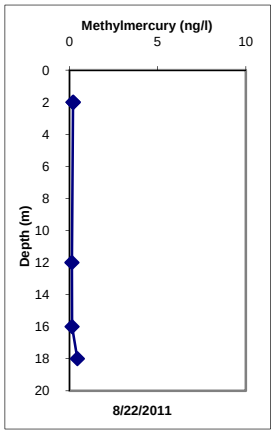


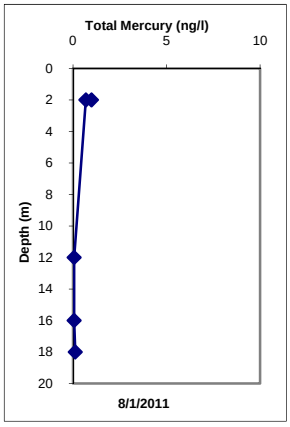


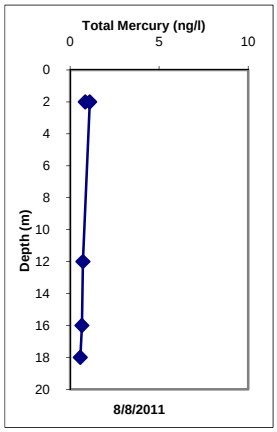


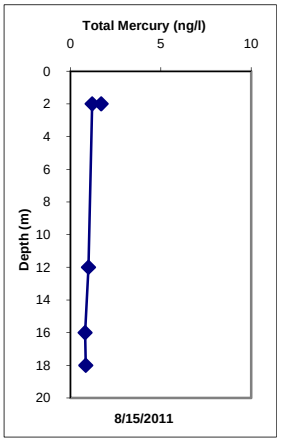


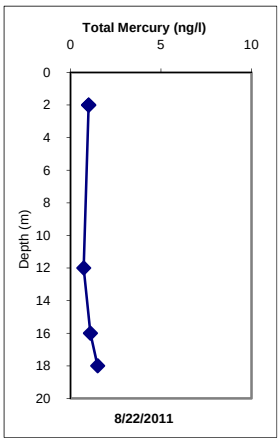












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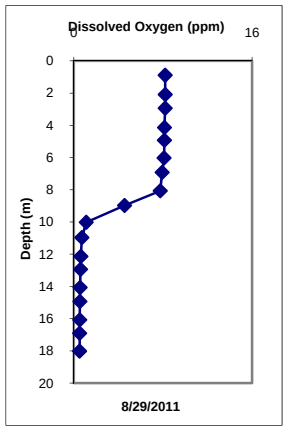

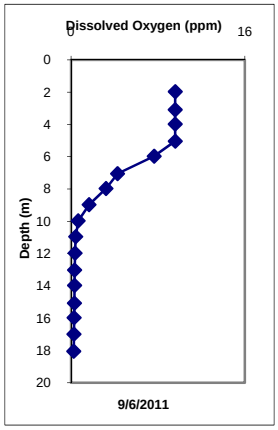

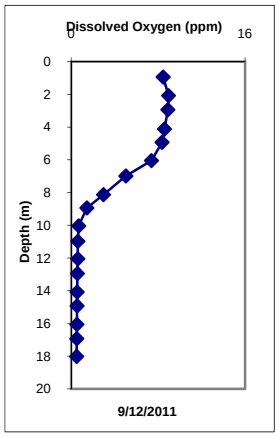

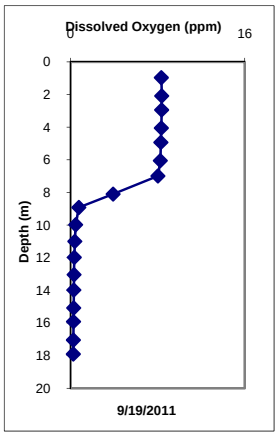

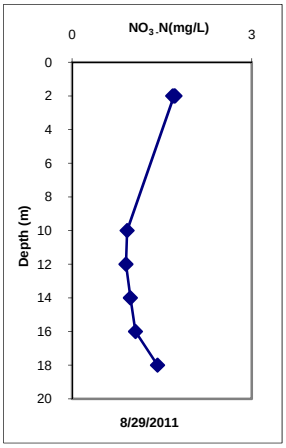

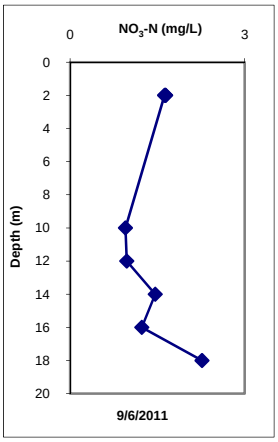

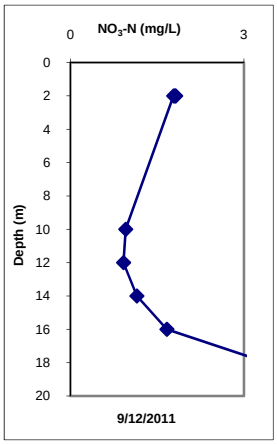

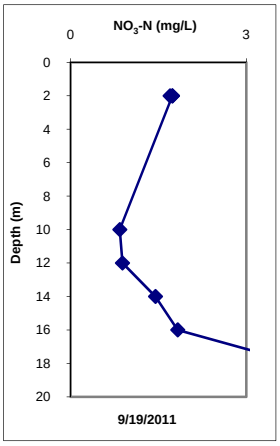

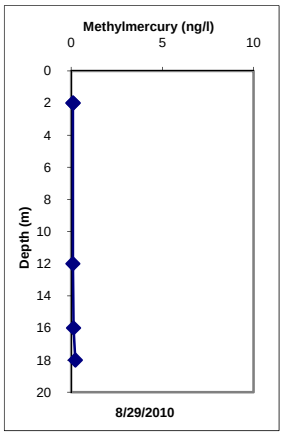

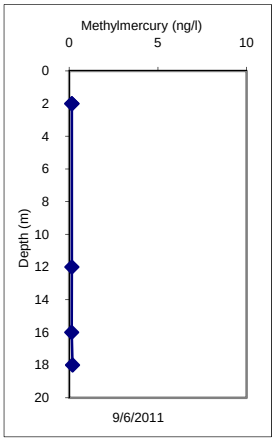

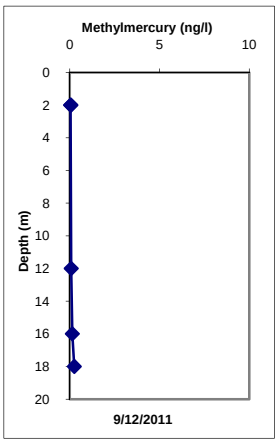

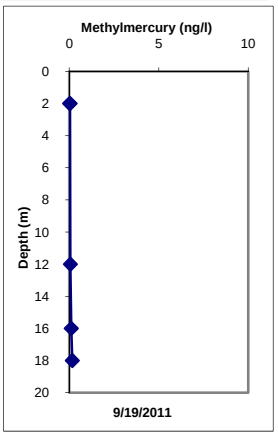

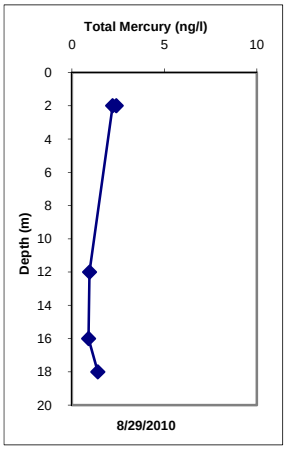

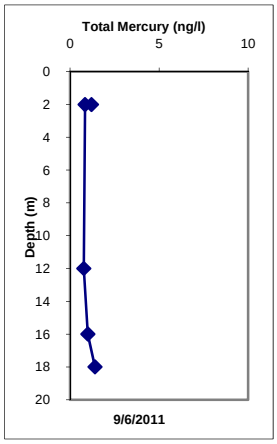

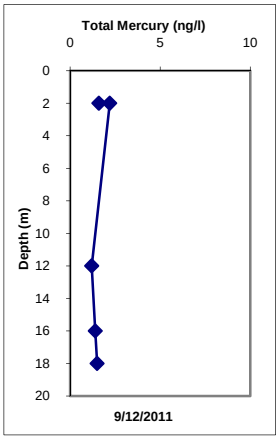

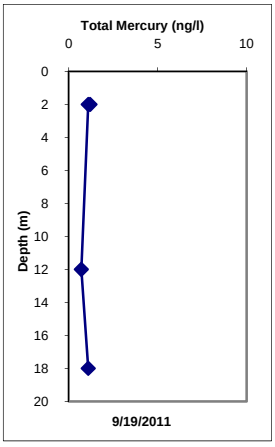

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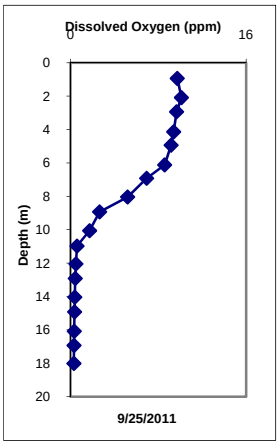

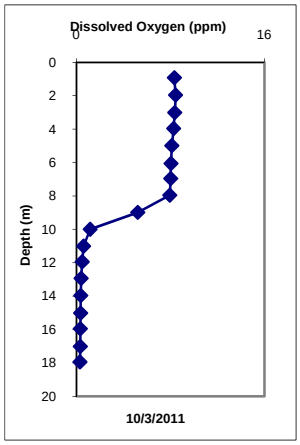

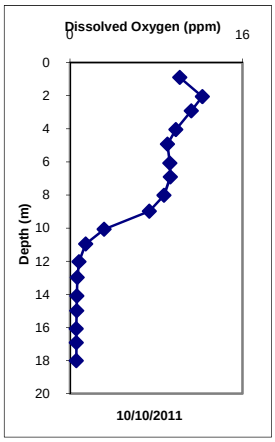

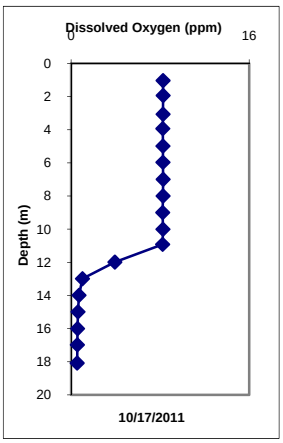

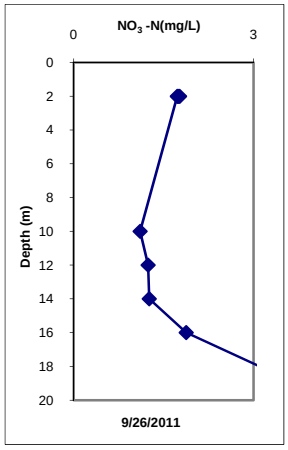

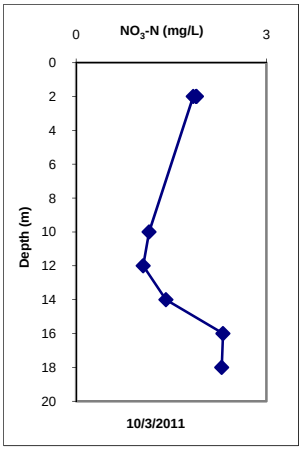

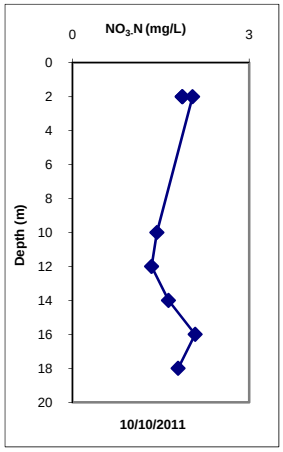

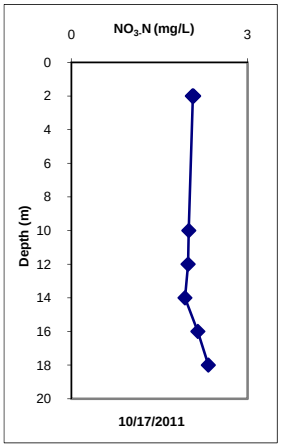

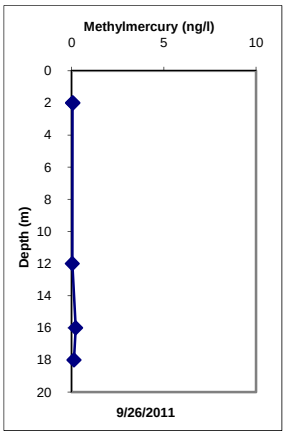

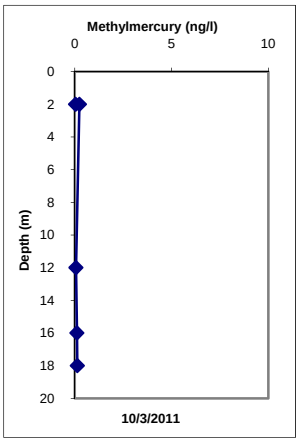

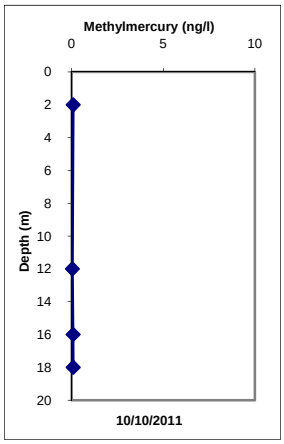

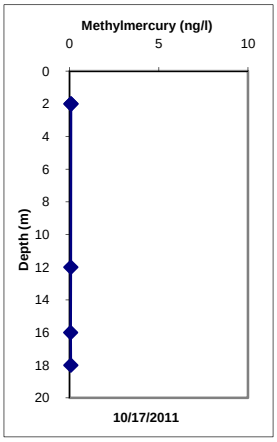

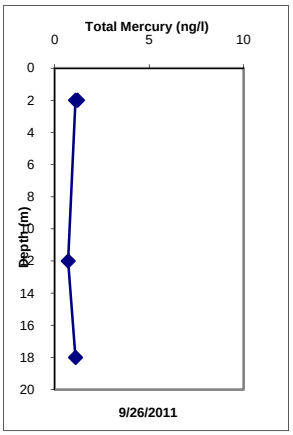

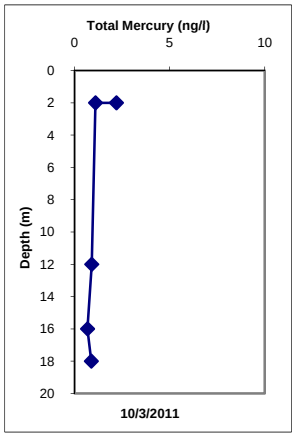

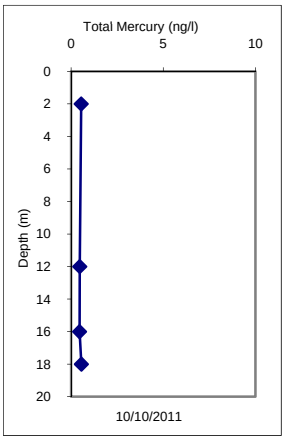

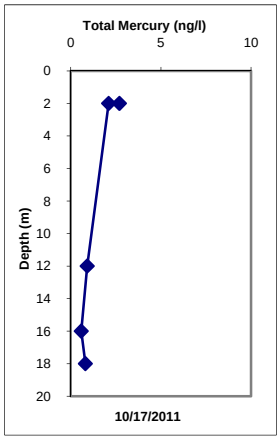
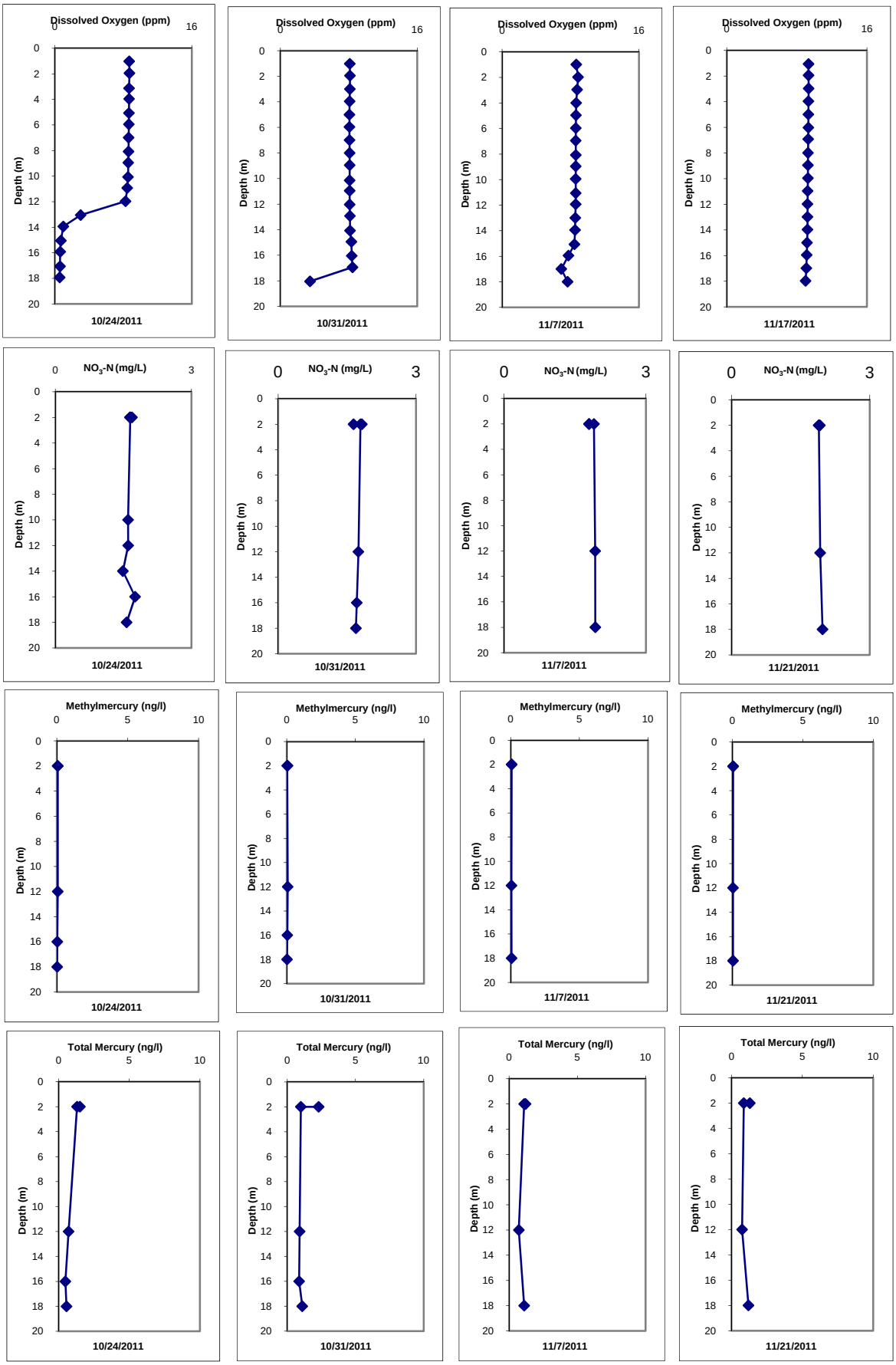
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