Brightwater, South, Vashon, and West Point Treatment Plants
Alki, Carkeek, Elliott West, and MLK/Henderson CSO Storage and Treatment Facilities

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Receiving Water Characterization Study

King County NPDES Monitoring Program

Final Report

Prepared for the

King County Department of Natural Resources and Parks
Wastewater Treatment Division

and the

Washington State Department of Ecology

by the

King County Department of Natural Resources and Parks
Marine and Sediment Assessment Group

June 2013

King County

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1.0 Introduction

This report presents results of a characterization study of ambient receiving waters in central Puget Sound, Elliott Bay, and the Duwamish River. King County conducted this study to fulfill one requirement of its National Pollutant Discharge Elimination System (NPDES) permits for the Brightwater Treatment Plant (WA0032247), South Treatment Plant (WA-002958-1), Vashon Treatment Plant (WA0022527), and West Point Treatment Plant and Alki, Carkeek, Elliott West, and MLK/Henderson CSO Storage and Treatment Facilities (WA-002918-1), issued by the Washington State Department of Ecology (Ecology).

King County's NPDES permits for these treatment facilities require that " . . . *the Permittee must provide data via ambient monitoring stations or collect receiving water information via field sampling necessary to determine if the effluent has a reasonable potential to cause a violation of the water quality standards. If reasonable potential exists, Ecology will use this information to calculate effluent limits. Field sampling will be required where ambient monitoring station data does not exist."* (Ecology 2009a,b; 2011a,b).

A sampling and analysis plan (SAP) for this study (King County 2010) was submitted to Ecology in December 2010 and approved on December 21, 2010 (Ecology 2010). The original SAP was submitted to meet the permit requirements for the South and West Point Treatment Plants. Similar monitoring requirements were included in the subsequent NPDES permits for both the Brightwater and Vashon Treatment Plants issued in 2011. The original, approved SAP was determined by Ecology to be applicable to the Vashon Treatment Plant receiving water monitoring requirement (Section S.9) during permit negotiations. The SAP was also determined by Ecology to be applicable to the Brightwater Treatment Plant receiving water monitoring requirement (Section S.11) after a request from King County. Ecology forwarded a letter of approval to King County in September 2012 (Ecology 2012).

The study was designed to provide Ecology with a combination of data from the County's ongoing water quality monitoring programs for conventional parameters and bacteria, along with a new, focused data gathering effort for trace metals, pH, cyanide, and alkalinity, which were additional analyses required by the NPDES permits.

1.1 Study Design for Ongoing Water Quality Monitoring

As part of the SAP preparation process, King County worked with Ecology to select monitoring stations that were in the vicinity of treatment facility outfalls but outside the zone of influence of the effluent. The four stations shown in Figure 1 were selected to provide data from receiving waters in the vicinity of all four treatment plants as well as the four CSO storage and treatment facilities. Station KSBP01, located in the northern Central Puget Sound Basin, was selected to represent ambient receiving water in the vicinity of the Brightwater and West Point treatment plants and the Carkeek CSO treatment facility. Station LSNT01, located in the southern Central Puget Sound Basin, was selected to represent ambient receiving water in the vicinity of the South and Vashon treatment plants and the Alki CSO treatment facility.

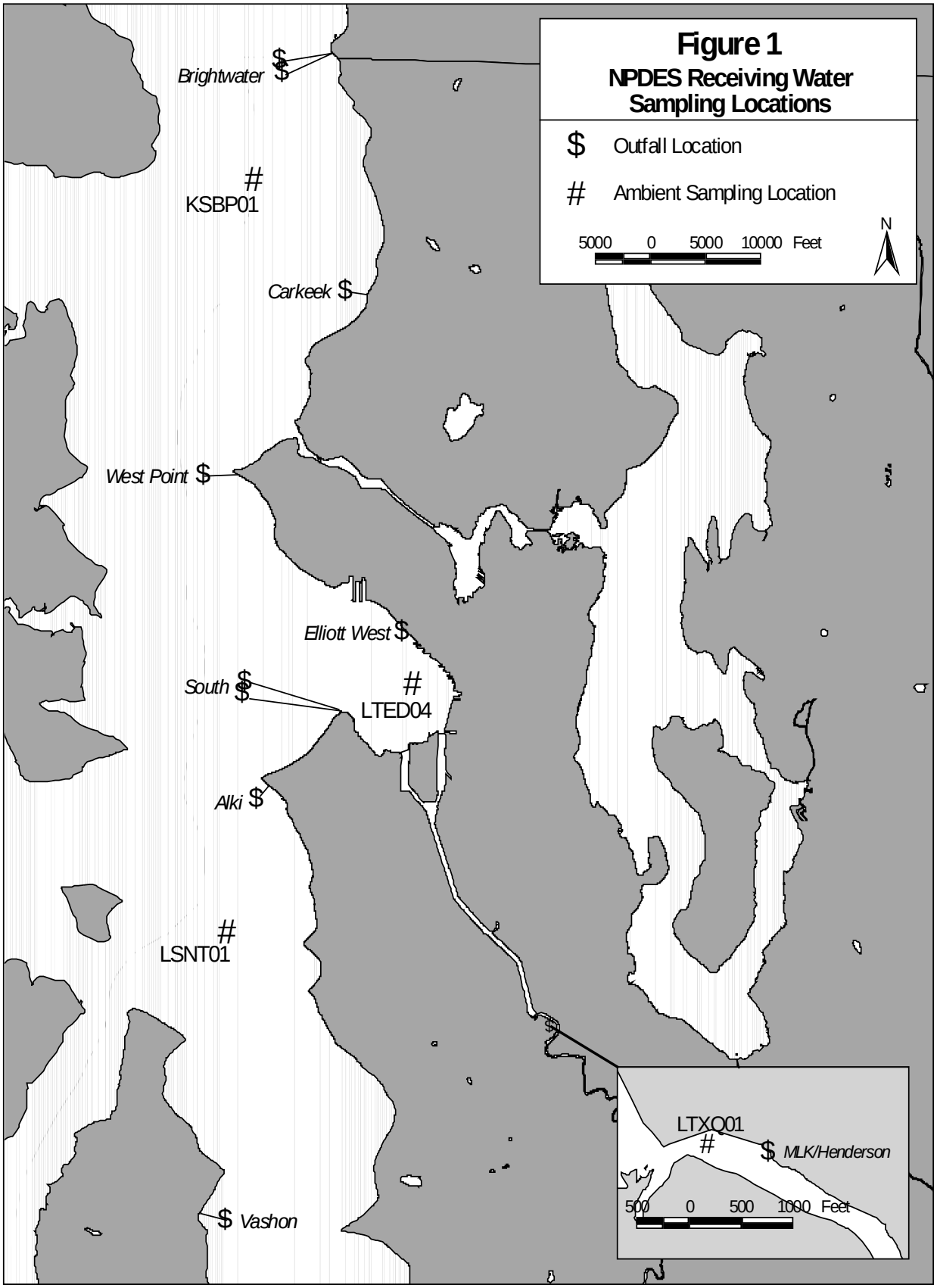
Figure 1
NPDES Receiving Water
Sampling Locations
$ Outfall Location
# Ambient Sampling Location
5000 0 5000 10000 Feet
N
Brightwater
KSBP01
Carkeek
West Point
Elliott West
South
LTED04
Alki
LSNT01
Vashon
LTXO01
MLK/Henderson
500 0 500 1000 Feet

Station LTED04, located in Elliott Bay, was selected to represent ambient receiving water in the vicinity of the Elliot West CSO treatment facility. Station LTXQ01, located in the Duwamish River, was selected to represent ambient receiving water in the vicinity of the MLK/Henderson CSO treatment facility.

1.1.1 Station KSBP01

Station KSBP01 is located in the northern Central Puget Sound Basin, approximately two miles from the Brightwater outfalls, six miles from the West Point outfall, and two miles from the Carkeek outfall (see Figure 1). The monitoring history for this station goes back to 1966 and, for certain parameters, it has been monitored continuously since 1988. King County currently samples this station on a monthly basis for *in situ* field measurement of temperature, dissolved oxygen, salinity, density, chlorophyll-*a* fluorescence, and transmissivity. These parameters are measured throughout the entire water column. Samples for laboratory analysis of fecal coliform and enterococcus bacteria, nutrients (ammonia, nitrate + nitrite nitrogen, total nitrogen, orthophosphorus, and silica,), chlorophyll-*a* and pheophytin, and total suspended solids are collected are from specific depths. Nutrient and total suspended solids samples are collected from seven depths at this station – 1, 15, 25, 35, 55, 100, and 200 meters. Chlorophyll-*a* and pheophytin samples are collected from four depths – 1, 15, 25, and 35 meters. Bacteria and total nitrogen samples are collected from a single depth – 1 meter.

Beginning in 2008, this station has been sampled twice a month from March through October as part of the County's marine phytoplankton monitoring program. Additional nutrient and chlorophyll-*a* samples are collected from two depths during this second sampling event. The *in situ* field measurements listed above are also collected for a portion of the water column.

1.1.2 Station LSNT01

Station LSNT01 is located in the southern Central Puget Sound Basin, approximately five miles from the South outfall, five miles from the Vashon outfall, and three miles from the Alki outfall (see Figure 1). This station has been monitored continuously since 1988. King County currently samples this station on a monthly basis for *in situ* field measurement of temperature, dissolved oxygen, salinity, density, chlorophyll-*a* fluorescence and transmissivity. These parameters are measured throughout the entire water column. Samples for laboratory analysis of fecal coliform and enterococcus bacteria, nutrients, chlorophyll-*a* and pheophytin, and total suspended solids are collected from specific depths. Nutrient and total suspended solids samples are collected from seven depths at this station – 1, 15, 25, 35, 55, 100, and 180 meters. Chlorophyll-*a* and pheophytin samples are collected from four depths – 1, 15, 25, and 35 meters. Bacteria and total nitrogen samples are collected from a single depth – 1 meter.

1.1.3 Station LTED04

Station LTED04 is located in Elliott Bay, approximately one mile from the Elliott West outfall (see Figure 1). This station has been monitored continuously since 1997. King County currently samples this station on a monthly basis for *in situ* field measurement of temperature, dissolved oxygen, salinity, density, chlorophyll-*a* fluorescence, and transmissivity. These parameters are measured throughout the entire water column. Samples for laboratory analysis of fecal

coliform and enterococcus bacteria, nutrients, chlorophyll-*a* and pheophytin, and total suspended solids are collected from specific depths. Nutrient and total suspended solids samples are collected from six depths at this station – 1, 15, 25, 35, 55, and 75 meters. Chlorophyll-*a* and pheophytin samples are collected from four depths – 1, 15, 25, and 35 meters. Bacteria and total nitrogen samples are collected from a single depth – 1 meter.

1.1.4 Station LTXQ01

Station LTXQ01 is located in the Duwamish River, approximately 600 feet downstream of the MLK/Henderson outfall (see Figure 1 inset). King County currently samples this station on a monthly basis for field measurement of temperature and dissolved oxygen and laboratory analysis of fecal coliform and enterococcus bacteria, nutrients salinity, hardness, and total suspended solids. Samples are collected mid-channel from a pedestrian bridge over the river. Data have been collected at this station since May 2009.

1.1.5 Data Submission from Routine Monitoring

Stations KSBP01, LSNT01, LTED04, and LTXQ01 are sampled monthly as part of King County's ongoing ambient monitoring program. The County is submitting to Ecology two years of monthly data from these stations, collected in 2011 and 2012, for total suspended solids, dissolved oxygen, temperature, fecal coliform bacteria, and salinity. Additionally, two years of hardness data are being submitted for Station LTXQ01. The Vashon Treatment Plant permit also requires the submission of ammonia nitrogen data. Two years of ammonia nitrogen data are being submitted for Station LSNT01.

1.2 Study Design for New Water Quality Monitoring

The County's NPDES permits also required submittal of data for certain water quality parameters that have not been measured previously on a regular basis or have not been measured within the last 10 years. These included trace metals and pH for all sampling locations and weak acid dissociable cyanide and alkalinity for Station LSNT01 (South Treatment Plant receiving water).

King County collected a total of 12 samples over four sampling events from Stations KSBP01 and LTED04 for analysis of total and dissolved metals. A total of 16 samples (including one field replicate per sampling event) were collected from Stations LSNT01 and LTXQ01. The four sampling events were timed to occur during a spring tide in December 2010, July 2011, December 2011, and July 2012. This timing met the requirements of all four permits. New sampling at Station LSNT01 also included weak acid dissociable cyanide as required in the South Treatment Plant permit and alkalinity as required in the South and Vashon Treatment plant permits. Sixteen samples were collected and analyzed for both of these parameters.

During each trace metals sampling event, samples were collected from three depths at Stations KSBP01, LSNT01, and LTED04 – 5 and 50 meters below the surface and a deeper depth, which was dependent upon the total depth of the station. Due to the shallow depth at Station LTXQ01 in the Duwamish River, trace metals samples were only collected from a single depth.

Station LTXQ01 samples were collected from a depth of approximately one meter below the surface on each of three consecutive days during each sampling event.

Given the periodic excursion of the Duwamish River salt wedge into the area in which Station LTXQ01 is located, synoptic hardness and salinity data were also collected along with trace metals, to allow comparison of metals data with appropriate water quality criteria. At the three offshore stations, pH was measured *in situ* during each monthly sampling event in 2011 in a continuous surface to bottom profile. At Station LTXQ01, pH was measured in the field each time samples were collected for analysis of trace metals.

1.3 Scope of Report

This report presents the methodologies employed to collect samples, gather field measurements, and perform laboratory analysis on the samples. Also presented is an assessment of overall data quality. A summary of the resulting water quality data is presented, providing minimum and maximum values detected for each of the water quality constituents reported, along with mean and median values and standard deviations, when appropriate. Complete analytical results for all reported parameters are included as Appendix A to this report and a data validation memorandum for all trace metals results is included as Appendix B. Although a large number of conventional parameters are routinely collected at the four monitoring stations, this report provides data only for those conventional parameters required in the four NPDES permits – ammonia nitrogen, dissolved oxygen, pH, salinity, and total suspended solids.

2.0 Sample Collection and Analysis

This section describes methodologies that were employed during the receiving water characterization study for collection of samples, field measurements, and laboratory analysis. Also included are a description of how data quality was verified and validated and how data have been reported.

2.1 Sample Collection and Field Measurements

Sample collection and *in situ* field measurements at offshore Stations KSBP01, LSNT01, and LTED04 were accomplished both during routine monthly water column profiling and sampling events as well as the four focused sampling events for trace metals and other required water quality constituents. These sampling events were conducted aboard King County's research vessel *Liberty* and are described in Section 2.1.1. Due to the shallow depths and dynamic nature of the Duwamish River at Station LTXQ01, samples from this location, along with field measurements, were collected using alternative methods described in Section 2.1.2.

2.1.1 Stations KSBP01, LSNT01, and LTED04

In situ water column profiles were conducted at the three offshore stations both during routine monthly sampling as well as during the four focused sampling events. These measurements were collected in continuous surface to near-bottom water column profiles using a conductivity/temperature/depth (CTD) datalogger. The SBE 25 SEALOGGER® CTD, manufactured by SeaBird Electronics of Bellevue, Washington, is a profiling system for lake, coastal, estuarine, and deep water work. In addition to measuring conductivity, temperature, and depth, the instrument also measures dissolved oxygen, chlorophyll, light intensity, turbidity, and pH. Direct measurements are also used to calculate salinity and density.

The CTD is deployed from the *Liberty* by hydraulic winch and allowed to equilibrate to surface conditions for approximately five minutes before data recording begins. The CTD is lowered at a specified descent rate from the surface to approximately five meters above the sea floor (downcast). Data are recorded both on the down cast and during the instrument's return to the surface (upcast). Data are recorded to a datalogger at a frequency of eight hertz or eight recordings per second. These data are then averaged or "binned" to half-meter intervals.

Upon retrieval of the instrument, field measurement data are uploaded to a laptop computer from the datalogger prior to the next cast. System software converts parameter data into surface-to-depth plots which are field-reviewed for quality control.

Samples for analysis of total suspended solids and fecal coliform bacteria were collected using Niskin sample bottles deployed on the CTD "rosette." Predetermined sampling depths were programmed into the CTD and the instrument deployed as described in the previous paragraphs. Analytical samples were collected on the upcast of the CTD. Upon retrieval of the CTD, sample aliquots were transferred from the Niskin bottles into sample containers.

During the four focused sampling events for the collection of trace metals samples, sampling procedures followed the "clean hands/dirty hands" technique outlined in EPA Method 1669 (EPA 1995). Before arriving at the initial sampling site, sampling personnel were designated "clean hands," "dirty hands," and "crane operator." "Clean hands" handled all operations involving contact with the sample container and transfer of the sample from the sampling device to the sample container. "Dirty hands" was responsible for preparation of the sampling device and for all other activities that did not involve direct contact with the sample. "Crane operator" was responsible for setup and operation of the clean winch system along with backup "dirty hands" responsibilities.

All sampling equipment was non-metallic and, prior to each sampling event, a pre-deployment equipment blank was collected and all sampling equipment was double-bagged in zippered, plastic bags. Samples were collected using Niskin-X bottles attached to a synthetic hydroline. A specialized, non-contaminating winch system mounted on the rear deck of the *Liberty* controlled the hydroline. The Niskin-X bottles were attached to the hydroline and lowered to the specified sampling depth. A "messenger" was released down the hydroline to trip the bottles. The Niskin-X bottles were then brought up and samples dispensed into sample containers immediately upon coming out of the water and while still attached to the hydroline. Sample containers were then double-bagged and stored in ice-filled coolers until delivery to the King County Environmental Laboratory. Other field blanks collected during the trace metals sampling events included atmosphere blanks and trip blanks.

2.1.2 Station LTXQ01

Due to logistics at sampling Station LTXQ01, routine monthly water samples were collected from a bridge over the Duwamish River. Samples were collected from center channel, using a modified, van Dorn-style sampling device deployed on a sampling line from the bridge. Upon retrieval of the sampling device, sample aliquots were collected for laboratory analysis of bacteria, total suspended solids, salinity, and hardness. Field measurements for temperature, dissolved oxygen, and pH were performed *ex situ*. A separate aliquot of sample was placed into a measurement cup, in which the field measurements were performed as soon as possible after sample collection. Field measurement of temperature, dissolved oxygen, and pH employed a Hydrolab® multi-probe field meter.

Sample collection for trace metals at Station LTXQ01 was also accomplished following EPA Method 1669. Samples were collected at this station by lowering a single-use Teflon bailer attached to a clean rope from a bridge above the river. Two sampling staff, designated “clean hands” and “dirty hands” accomplished all sampling. An additional aliquot of water was collected using the modified van Doren-style bottle for laboratory analysis of salinity and hardness as well as field measurement of dissolved oxygen, pH, and temperature.

2.2 Laboratory Analysis

Laboratory analyses performed during this study included total and dissolved trace metals, hardness, fecal coliform bacteria, alkalinity, cyanide, total suspended solids, and salinity (for

samples collected from station LTXQ01). All analyses were performed by the King County Environmental Laboratory.

2.2.1 Trace Metals and Hardness

Total and dissolved mercury analysis was performed according to EPA Method 1631E (EPA 2002), which is by cold vapor atomic fluorescence spectrometry (CVAF) following a 12-hour sample digestion.

Other total and dissolved metals were analyzed according to EPA Method 1640 (EPA 1997), which is by inductively coupled plasma mass spectrometry (ICPMS), with on-line preconcentration.

Determination of hardness was performed according to Standard Method (SM)2340B (APHA 1998), which is a calculation based upon separately determined total calcium and total magnesium concentrations. Calcium and magnesium were analyzed by ICPMS according to EPA Method 200.8r5.4 (EPA 1994).

2.2.2 Fecal Coliform Bacteria

Fecal coliform bacteria analysis was performed by membrane filtration according to SM9222D (APHA 1998). Appropriate dilutions, if necessary, were prepared and the sample and its dilutions were filtered through a sterile 0.45 μm nitrocellulose membrane. The membrane was then applied to an mFC agar plate. After incubation at 44.5^{o}C for approximately 24 hours, all colonies with a characteristic blue color were counted. The number of colonies per 100 mL of sample was calculated based on the colonies counted and the dilutions used per plate.

2.2.3 Conventional Water Quality Parameters

Alkalinity analysis was performed according to SM2320B (APHA 1998), in which the sample is titrated using a standard acid to a pH of 4.5. The volume of titrant needed to reach the pH endpoint is then used to calculate the total alkalinity of the sample.

Cyanide analysis was performed according to SM4500CN-I,E (APHA 1998), which is for determination of weak acid dissociable cyanide. The cyanide concentration is determined through a buffered, weak-acid distillation followed by a colorometric measurement.

Salinity analysis was performed according to SM2520B (APHA 1998), in which salinity is determined by measuring the conductance of an electrical current through the salt water sample kept at constant temperature of 25 °C and comparing the measurement to the conductivity of a standard sea water or reference potassium chloride solution.

Total suspended solids analysis was performed according to SM2540D (APHA 1998), in which a measured volume of a well-mixed water sample is filtered through a 934AH glass fiber filter. The residue retained on the glass fiber filter is dried to a constant weight at 103 to 105°C. The resulting net weight represents the total suspended solids.

2.3 Data Quality Assessment and Data Reporting

All laboratory analytical data and some field measurements generated during this study were entered into King County's Laboratory Information Management System (LIMS). Field data, such as *in situ* data measurements or recorded environmental observations, were routinely re-checked by a second field scientist prior to entry into LIMS. Laboratory analytical data were reviewed, first by the primary analyst and then by a senior peer reviewer, prior to entry of the data into LIMS. Analytical data were reviewed for completeness and quality control (QC) sample data were reviewed for compliance with project and method QC requirements.

The King County laboratory project manager (LPM) for the receiving water characterization study provided the next data review step, at a "per-sampling-event" level. The LPM verified the completeness of the data set and reported any QC failures or anomalies. Upon completion of all sampling and analysis, the project manager (study lead) provided a final data validation process of all data to ensure that they met the project data quality objectives.

Section 3.0 of this report provides a brief summary of data generated during the 24-month monitoring period of 2011 and 2012 from King County's ongoing ambient monitoring program. This section also provides a summary of data collected during the four focused sampling events for trace metals and other required parameters. Appendix A includes data for the four sampling stations in Tables A-1 through A-4. These data include both laboratory-analyzed parameters as well as those parameters collected via CTD at the discrete depths at which other water samples were collected for laboratory analysis. Appendix B includes the data validation memorandum for trace metals data. Formal data validation of the trace metals was performed following guidance outlined in the USEPA's *National Functional Guidelines for Inorganic Superfund Data Review* (EPA 2010).

Collection of CTD data binned at 0.5-meter depth intervals generates a very large data set for each sampling event and precludes inclusion of these data on LIMS. Some CTD data that have been averaged at discrete depths are maintained on LIMS, however, complete CTD data are maintained in a separate web-accessible database. These additional CTD data may be found and downloaded at the County's website http://green.kingcounty.gov/marine/CTD.aspx.

All reported data generated during this study and included in this report have been uploaded to Ecology's Environmental Information Management (EIM) database. Data from this study may be found on EIM under the Study ID code **KC_Rec_Water_Char**.

3.0 Summary of Results

This section provides a summary of laboratory analytical results and field measurements for bacteria and conventional parameters from King County's ongoing ambient water quality monitoring program during the 24-month period of 2011 and 2012, as well as the four focused sampling events for trace metals and other required parameters. Tables in each sub-section provide the minimum and maximum detected or measured values, as well as means, medians, and standard deviations, when appropriate. Complete results for those parameters submitted to EIM from each of the four monitoring stations may be found in Tables A-1 through A-4, included as Appendix A to this document.

3.1 Station KSBP01

King County's long-term monitoring Station KSBP01 was chosen to represent ambient receiving water conditions for the West Point and Brightwater wastewater treatment plants and the Carkeek CSO treatment facility.

3.1.1 Fecal Coliform Bacteria

During the 24-month sampling period from January 2011 through December 2012, fecal coliform bacteria were detected in 3 out of 24 samples. One sample had a bacteria count of 4 colony forming units per 100 milliliters (CFU/100 ml) and the other two samples had counts of 1 CFU/100 ml each. The calculated fecal coliform bacteria geometric mean for the 24-month sampling period is 1 CFU/100 ml.

3.1.2 Conventional Water Quality Parameters

Table 3-1 presents a summary of data for conventional water quality parameters collected monthly from Station KSBP01 during 2011 and 2012. These data – a combination of *in situ* measurement (dissolved oxygen, pH, salinity, and temperature) and laboratory analysis (total suspended solids) – were collected from seven discrete sampling depths; 1, 15, 25, 35, 55, 100, and 198 meters below the surface during each of the sampling events. The numbers of data points on which the presented metrics were calculated (n) are noted in the "Parameter" column. Note that pH was measured only during the 12-month period during 2011.

Please note that these metrics are for pooled data collected over several depths throughout the water column and are presented for summary purposes only. When more-thoroughly analyzing these data, sample depth should be taken into consideration to account for spatial (vertical) and temporal variations due to freshwater runoff, intrusion of deep oceanic waters into Puget Sound, and seasonal variations in temperature. Due to the variable nature, both spatial and temporal, of parameters such as dissolved oxygen and temperature, the reporting of a mean value and calculated standard deviation are not particularly helpful for data assessment. For these two parameters, only the minimum, maximum, and median values are reported.

Table 3-1

Summary of Conventional Water Quality Parameters at Monitoring Station KSBP01

Parameter	Min	Max	Mean	Median	StDev
DO (mg/L) n = 254	5.6	12.9	--	8.0	--
pH (unitless) n = 108	7.5	8.0	7.7	7.7	0.1
Salinity (PSS) n = 262	26.061	30.719	29.175	29.431	0.932
Temperature (^{o}C) n = 262	7.177	13.951	--	9.933	--
TSS (mg/L) n = 128	0.6	7.0	2.4	2.1	1.4

3.1.3 Trace Metals

Table 3-2 presents a summary of trace metals data for the 12 samples collected from Station KSBP01 in July and December of 2011 and 2012. The trace metals samples were collected from three depths during each of the four sampling events; 5, 50, and 198 meters below the surface.

Table 3-2

Total and Dissolved Trace Metal Concentrations at Monitoring Station KSBP01 Based on 12 Samples

Metal (µg/L)	Min	Max	Mean	Median	StDev
Arsenic, Total	1.11	1.41	1.29	1.33	0.10
Arsenic, Dissolved	1.15	1.43	1.33	1.37	0.09
Cadmium, Total	0.0636	0.0864	0.0732	0.0715	0.0064
Cadmium, Dissolved	0.0520	0.0734	0.0664	0.0693	0.0068
Chromium, Total	0.096	0.377	0.144	0.110	0.079
Chromium, Dissolved	0.092	0.150	0.114	0.110	0.020
Copper, Total	0.314	1.220	0.437	0.373	0.249
Copper, Dissolved	0.234	0.617	0.322	0.308	0.104
Lead, Total	0.007	0.046	0.020	0.014	0.015
Lead, Dissolved[a]	--	--	--	--	--
Mercury, Total[b]	0.00020	0.00055	0.00030	0.00026	0.00012
Mercury, Dissolved[c]	--	--	--	--	--
Nickel, Total	0.400	0.593	0.435	0.423	0.051
Nickel, Dissolved	0.387	0.443	0.408	0.407	0.016
Silver, Total[d]	0.016	0.030	--	--	--
Silver, Dissolved[d]	0.019	0.029	--	--	--
Zinc, Total	0.330	0.890	0.513	0.475	0.152
Zinc, Dissolved	0.170	0.694	0.438	0.417	0.187

[a]Dissolved lead was detected in 1 out of 12 samples at a concentration of 0.010 µg/L. The method detection limit for dissolved lead was 0.005 µg/L.

[b]Total mercury was detected in 9 out of 12 samples. The minimum value for total mercury represents the lowest detected value. The method detection limit of 0.00020 µg/L was used as the value of the 3 undetected samples when computing the mean, median, and standard deviation.

[c]Dissolved mercury was not detected in any of the 12 samples at a method detection limit of 0.00020 µg/L.

[d]Total and dissolved silver were detected in 6 out of 12 samples. The minimum values for total and dissolved silver represent the lowest detected value. The method detection limit for silver was 0.010 µg/L. Due to the low number of detections, meaningful mean and median values cannot be presented.

Please note that, for arsenic and silver data, the detected dissolved concentrations were occasionally greater than the detected total concentrations. When the data were pooled, this resulted in the summary metrics being slightly greater for the dissolved concentrations than the total concentrations. Both of these metals appear to be present in the marine environment largely in the dissolved fraction. The slight differences between detected total and dissolved concentrations are well within analytical precision.

3.2 Station LSNT01

King County's long-term monitoring Station LSNT01 was chosen to represent ambient receiving water conditions for the South and Vashon wastewater treatment plants and the Alki CSO treatment facility.

3.2.1 Fecal Coliform Bacteria

During the 24-month sampling period from January 2011 through December 2012, fecal coliform bacteria were detected in 2 out of 24 samples, both with a count of 1 CFU/100 ml each. The calculated fecal coliform bacteria geometric mean for the 24-month sampling period is 1 CFU/100 ml.

3.2.2 Conventional Water Quality Parameters

Table 3-3 presents a summary of data for conventional water quality parameters collected monthly from Station LSNT01 during 2011 and 2012. These data were collected from seven discrete sampling depths; 1, 15, 25, 35, 55, 100, and 158 meters below the surface during each of the sampling events. The numbers of data points on which the presented metrics were calculated (n) are noted in the "Parameter" column. Note that pH was measured only during the 12-month period during 2011.

Table 3-3

Summary of Conventional Water Quality Parameters at Monitoring Station LSNT01

Parameter	Min	Max	Mean	Median	StDev
Ammonia[a] (mg/L) n = 191	0.0051	0.0853	0.0188	0.0051	0.0207
DO (mg/L) n = 200	5.3	12.1	--	7.5	--
pH (unitless) n = 112	7.4	8.0	7.6	7.7	0.1
Salinity (PSS) n = 208	27.705	30.713	29.487	29.537	0.557
Temperature (^{o}C) n = 208	7.5	12.7	--	9.8	--
TSS (mg/L) n = 131	0.6	7.5	2.4	2.2	1.4

[a]Ammonia was detected in 97 out of 191 samples. The minimum value for ammonia represents the lowest detected value. The method detection limit of 0.0050 mg/L was used for the value of the undetected sample when computing the mean, median, and standard deviation. Note that this large number of non-detected results causes a skewed median value and a large standard deviation.

3.2.3 Trace Metals

Table 3-4 presents a summary of trace metals data for the 16 samples collected from Station LSNT01 in July and December of 2011 and 2012. The trace metals samples were collected from

three depths during each of the four sampling events; 5, 50, and 158 meters below the surface. The 158-meter depth samples were collected in duplicate during each sampling event.

Table 3-4
Total and Dissolved Trace Metal Concentrations
At Monitoring Station LSNT01 Based on 16 Samples

Metal (µg/L)	Min	Max	Mean	Median	StDev
Antimony, Total	0.157	0.183	0.168	0.166	0.008
Antimony, Dissolved	0.143	0.173	0.159	0.158	0.011
Arsenic, Total	1.22	1.49	1.39	1.41	0.07
Arsenic, Dissolved	1.22	1.46	1.37	1.40	0.08
Cadmium, Total	0.0611	0.0830	0.0736	0.0735	0.0057
Cadmium, Dissolved	0.0618	0.0749	0.0699	0.0708	0.0037
Chromium, Total	0.088	0.160	0.120	0.115	0.022
Chromium, Dissolved	0.088	0.180	0.112	0.100	0.026
Copper, Total	0.260	1.99	0.451	0.352	0.413
Copper, Dissolved	0.231	0.387	0.299	0.287	0.046
Lead, Total[a]	0.014	0.049	0.026	0.024	0.012
Lead, Dissolved[b]	--	--	--	--	--
Mercury, Total[c]	0.00023	0.00040	0.00027	0.00026	0.00007
Mercury, Dissolved[d]	--	--	--	--	--
Nickel, Total	0.402	0.511	0.436	0.427	0.030
Nickel, Dissolved	0.390	0.430	0.411	0.412	0.014
Silver, Total[e]	0.016	0.030	--	--	--
Silver, Dissolved[e]	0.011	0.027	--	--	--
Zinc, Total	0.400	0.647	0.482	0.470	0.063
Zinc, Dissolved	0.270	0.707	0.447	0.395	0.137

[a]Total lead was detected in 15 out of 16 samples. The minimum value for total lead represents the lowest detected value. The method detection limit of 0.0050 µg/L was used for the value of the undetected sample when computing the mean, median, and standard deviation.
[b]Dissolved lead was detected in 2 out of 16 samples at concentrations of 0.0063 and 0.0077 µg/L.
[c]Total mercury was detected in 12 out of 16 samples. The minimum value for total mercury represents the lowest detected value. The method detection limit of 0.00020 µg/L was used for the value of the 4 undetected samples when computing the mean, median, and standard deviation.
[d]Dissolved mercury was detected in 1 of 16 samples at a concentration of 0.00023 µg/L.
[e]Total and dissolved silver were detected in 8 out of 16 samples and 9 out of 16 samples, respectively. The minimum values for total and dissolved silver represent the lowest detected values. The method detection limit for silver was 0.010 µg/L. Due to the low number of detections, meaningful mean and median values cannot be presented.

3.2.4 Alkalinity

Alkalinity samples were collected from the same three depths at Station LSNT01 during the four trace metals sampling events. Total alkalinity values in the 16 samples ranged from 97 to 103 milligrams of calcium carbonate per liter (mg $CaCO_3$/L), with mean and median values of 100 and 101 mg $CaCO_3$/L, respectively, and a standard deviation of 2 mg $CaCO_3$/L.

3.2.5 Cyanide

Cyanide (weak acid dissociable) samples were collected from the same three depths at Station LSNT01 during the four trace metals sampling events. Cyanide was not detected in any of the 16 samples at a method detection limit of 0.005 mg/L.

3.3 Station LTED04

King County's long-term monitoring Station LTED04 was chosen to represent ambient receiving water conditions for the Elliott West CSO treatment facility.

3.3.1 Fecal Coliform Bacteria

During the 24-month sampling period from January 2011 through December 2012, fecal coliform bacteria were detected in 12 out of 24 samples, with counts ranging from 1 to 29 CFU/100 ml. The calculated fecal coliform bacteria geometric mean for the 24-month sampling period is 2 CFU/100 ml.

3.3.2 Conventional Water Quality Parameters

Table 3-5 presents a summary of data for conventional water quality parameters collected monthly from Station LTED04 during 2011 and 2012. These data were collected from six discrete sampling depths; 1, 15, 25, 35, 55, and 75 meters below the surface during each of the sampling events. The numbers of data points on which the presented metrics were calculated (n) are noted in the "Parameter" column. Note that pH was measured only during the 12-month period during 2011.

Table 3-5

Summary of Conventional Water Quality Parameters at Monitoring Station LTED04

Parameter	Min	Max	Mean	Median	StDev
DO (mg/L) n = 150	4.9	11.0	--	7.7	--
pH (unitless) n = 84	7.4	8.0	7.6	7.6	0.1
Salinity (PSS) n = 156	23.982	30.443	29.136	29.282	0.923
Temperature (^{o}C) n = 156	7.5	13.4	--	9.9	--
TSS (mg/L) n = 102	0.5	8.1	2.7	2.3	1.8

3.3.3 Trace Metals

Table 3-6 presents a summary of trace metals data for the 12 samples collected from Station LTED04 in July and December of 2011 and 2012. The trace metals samples were collected from three depths during each of the four sampling events; 5, 50, and 75 meters below the surface.

Table 3-6
Total and Dissolved Trace Metal Concentrations at Monitoring Station LTED04 Based on 12 Samples

Metal (µg/L)	Min	Max	Mean	Median	StDev
Arsenic, Total	1.14	1.45	1.31	1.33	0.10
Arsenic, Dissolved	1.12	1.39	1.31	1.35	0.08
Cadmium, Total	0.0552	0.0799	0.0716	0.0735	0.0070
Cadmium, Dissolved	0.0610	0.0763	0.0682	0.0684	0.0047
Chromium, Total	0.077	0.180	0.114	0.105	0.033
Chromium, Dissolved	0.085	0.140	0.108	0.100	0.019
Copper, Total	0.301	0.815	0.485	0.483	0.161
Copper, Dissolved	0.277	0.635	0.374	0.316	0.109
Lead, Total[a]	0.010	0.084	0.035	0.025	0.025
Lead, Dissolved[b]	--	--	--	--	--
Mercury, Total[c]	0.00020	0.00052	0.00028	0.00024	0.00010
Mercury, Dissolved[d]	--	--	--	--	--
Nickel, Total	0.393	0.501	0.425	0.414	0.031
Nickel, Dissolved	0.383	0.436	0.410	0.407	0.018
Silver, Total[e]	0.016	0.033	--	--	--
Silver, Dissolved[e]	0.019	0.028	--	--	--
Zinc, Total	0.350	1.01	0.652	0.583	0.216
Zinc, Dissolved	0.300	1.02	0.611	0.577	0.260

[a]Total lead was detected in 11 out of 12 samples. The minimum value for total lead represents the lowest detected value. The method detection limit of 0.0050 µg/L was used for the value of the undetected sample when computing the mean, median, and standard deviation.
[b]Dissolved lead was detected in 1 out of 12 samples at a concentration of 0.0052 µg/L.
[c]Total mercury was detected in 10 out of 12 samples. The minimum value for total mercury represents the lowest detected value. The method detection limit of 0.00020 µg/L was used for the value of the 2 undetected samples when computing the mean, median, and standard deviation.
[d]Dissolved mercury was not detected in any of the 12 samples at a method detection limit of 0.00020 µg/L.
[e]Total and dissolved silver were detected in 6 out of 12 samples. The minimum values for total and dissolved silver represent the lowest detected values. The method detection limit for silver was 0.010 µg/L. Due to the low number of detections, meaningful mean and median values cannot be presented.

3.4 Station LTXQ01

King County's long-term monitoring Station LTXQ01 was chosen to represent ambient receiving water conditions for the Henderson/MLK CSO treatment facility. The county routinely samples this station on a monthly basis,. Discrete water samples are collected from a single depth at this shallow Duwamish River station.

3.4.1 Fecal Coliform Bacteria

During the 24-month sampling period from January 2011 through December 2012, fecal coliform bacteria were detected in all 24 samples. Bacteria counts in the 24 samples ranged from 5 CFU/100 ml to greater than 600 CFU/100 ml. The calculated fecal coliform bacteria geometric mean for the 24-month sampling period is 33 CFU/100 ml. Please note that the sample which returned a bacteria count of "greater than 600 CFU/100 ml" had an unexpectedly

high bacteria count which, analytically, made it impossible to determine a more-precise bacteria count. In calculating the geometric mean for this data set, a bacteria count of 600 CFU/100 ml was used for this sample.

3.4.2 Conventional Water Quality Parameters

Table 3-7 presents a summary of data for conventional water quality parameters collected monthly from Station LTXQ01 during 2011 and 2012. These data – a combination of *ex situ* field measurements (dissolved oxygen, pH, and temperature) and laboratory analyses (total suspended solids and salinity) – were collected from a single depth (between 0.5 and 1 meter) during each of the sampling events. The table provides the minimum and maximum concentrations measured or detected, along with calculated means, medians, and standard deviations. The numbers of data points on which these metrics were calculated (n) are noted in the "Parameter" column. Field measurement of pH was collected only during the trace metals sampling events and salinity samples were collected both monthly and during the trace metals sampling events.

Please note that these metrics are presented for summary purposes only. The location of this sampling station is in a dynamic portion of the Duwamish River with varying seasonal freshwater flows and diurnal tidal excursions of the salt wedge. These factors cause wide variations in parameters such as salinity and total suspended solids, as well as dissolved oxygen. The shallow overall depth of the river at this sampling station, coupled with the sampling depth (0.5 to 1 meter), also leads to wide seasonal variations in temperature.

Table 3-7

Summary of Conventional Water Quality Parameters at Monitoring Station LTXQ01

Parameter	Min	Max	Mean	Median	StDev
Dissolved Oxygen (mg/L) n = 24	6.5	12.2	--	10.1	--
pH (unitless) n = 16	6.9	7.3	7.1	7.1	0.1
Salinity[a] (PSS) n = 40	2.33	29.65	--	--	--
Temperature (^{o}C) n = 24	5.1	18.7	--	9.4	--
Total Suspended Solids (mg/L) n = 22	2.5	116	--	10.4	--

[a]Salinity was detectable in 15 out of 40 samples. The minimum value for salinity represents the lowest detected value. The method detection limit was 2.00 PSS. Due to the low number of detections, meaningful mean and median values cannot be presented.

3.4.3 Trace Metals

Table 3-8 presents a summary of trace metals data for the 16 samples collected from Station LTXQ01 in July and December of 2011 and 2012. The trace metals samples were collected from a single depth during each of the four sampling events; with samples collected on three consecutive days. Including a field replicate during each sampling event, a total of 16 samples were collected for trace metals analysis.

Table 3-8
Total and Dissolved Trace Metal Concentrations at Monitoring Station LTXQ01 Based on 16 Samples

Metal (µg/L)	Min	Max	Mean	Median	StDev
Arsenic, Total	0.474	0.857	0.628	0.618	0.121
Arsenic, Dissolved	0.391	0.577	0.456	0.440	0.062
Cadmium, Total[a]	0.005	0.023	0.011	0.010	0.006
Cadmium, Dissolved[b]	0.007	0.022	0.009	0.005	0.007
Chromium, Total	0.11	0.22	0.17	0.18	0.03
Chromium, Dissolved[c]	0.06	0.11	0.07	0.07	0.01
Copper, Total	0.613	1.370	0.904	0.892	0.222
Copper, Dissolved	0.306	0.637	0.440	0.448	0.093
Lead, Total	0.048	0.327	0.136	0.112	0.084
Lead, Dissolved[d]	0.009	0.029	0.016	0.017	0.008
Mercury, Total	0.00056	0.00199	0.00123	0.00127	0.00042
Mercury, Dissolved	0.00024	0.00088	0.00046	0.00035	0.00020
Nickel, Total	0.242	1.020	0.540	0.421	0.258
Nickel, Dissolved	0.156	1.090	0.418	0.263	0.332
Silver, Total[e]	0.010	0.052	0.020	0.013	0.015
Silver, Dissolved[e]	0.017	0.022	0.013	0.010	0.005
Zinc, Total	0.711	2.160	1.284	1.280	0.372
Zinc, Dissolved	0.460	1.270	0.774	0.721	0.254

[a]Total cadmium was detected in 15 out of 16 samples. The minimum value for total cadmium represents the lowest detected value. The method detection limit of 0.0050 µg/L was used for the value of the undetected sample when computing the mean, median, and standard deviation.
[b]Dissolved cadmium was detected in 7 out of 16 samples. The minimum value for dissolved cadmium represents the lowest detected value. The method detection limit of 0.0050 µg/L was used for the value of the undetected samples when computing the mean, median, and standard deviation.
[c]Dissolved chromium was detected in 15 out of 16 samples. The minimum value for dissolved chromium represents the lowest detected value. The method detection limit of 0.050 µg/L was used for the value of the undetected sample when computing the mean, median, and standard deviation.
[d]Dissolved lead was detected in 13 out of 16 samples. The minimum value for dissolved lead represents the lowest detected value. The method detection limit of 0.0050 µg/L was used for the value of the undetected samples when computing the mean, median, and standard deviation.
[e]Total and dissolved silver were detected in 14 out of 16 samples and 4 out of 16 samples, respectively. The minimum values for total and dissolved silver represent the lowest detected values. The method detection limit of 0.010 µg/L was used for the value of the undetected samples when computing the mean, median, and standard deviation for total silver. Due to the low number of detections, meaningful mean and median values cannot be presented for dissolved silver.

3.4.4 Hardness

Hardness was also measured monthly, as well as the in trace metals samples collected from Station LTXQ01. Hardness values in these 40 samples ranged from 25.6 to 3,000 milligrams of calcium carbonate per liter (mg $CaCO_3$/L) with mean and median values of 384 and 83 mg $CaCO_3$/L. This wide range of values produced a large calculated standard deviation of 635 mg $CaCO_3$/L. The wide range of hardness values correspond with associated wide ranges of salinity in the samples (see Appendix A).

4.0 References

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Appendix A
Complete Analytical Results

Table A-1

Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
01/18/11	L52381-6	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
02/22/11	L52539-6	0.96	Fecal Coliform		CFU/100ml	<MDL	1	
03/21/11	L52727-6	1.5	Fecal Coliform		CFU/100ml	<MDL	1	
04/18/11	L52883-6	1.9	Fecal Coliform		CFU/100ml	<MDL	1	
05/16/11	L53206-6	1.5	Fecal Coliform		CFU/100ml	<MDL	1	
06/20/11	L53331-6	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
07/18/11	L53542-6	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
08/15/11	L53889-6	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
09/19/11	L54019-6	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
10/17/11	L54269-6	1.1	Fecal Coliform		CFU/100ml	<MDL	1	
11/28/11	L54474-6	1.6	Fecal Coliform		CFU/100ml	<MDL	1	
12/19/11	L54766-6	1	Fecal Coliform		CFU/100ml	<MDL	1	
01/23/12	L54840-6	1.2	Fecal Coliform	4	CFU/100ml		1	
02/21/12	L55087-6	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
03/19/12	L55193-6	2.8	Fecal Coliform		CFU/100ml	<MDL	1	
04/16/12	L55370-6	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
05/21/12	L55534-6	1.6	Fecal Coliform		CFU/100ml	<MDL	1	
06/18/12	L55788-6	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
07/16/12	L55944-6	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
08/20/12	L56238-6	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
09/17/12	L56394-6	0.99	Fecal Coliform		CFU/100ml	<MDL	1	
10/16/12	L56533-6	1.3	Fecal Coliform	1	CFU/100ml		1	
11/26/12	L56803-6	0.61	Fecal Coliform		CFU/100ml	<MDL	1	
12/18/12	L57085-6	0.45	Fecal Coliform	1	CFU/100ml		1	
01/18/11	L52381-6	1.2	Sample Temperature, Field	8.3819	deg C			
01/18/11	L52381-7	15	Sample Temperature, Field	8.6863	deg C			
01/18/11	L52381-8	24.9	Sample Temperature, Field	8.7252	deg C			
01/18/11	L52381-9	34.8	Sample Temperature, Field	8.7664	deg C			
01/18/11	L52381-10	54.7	Sample Temperature, Field	8.6292	deg C			
01/18/11	L52381-11	99.3	Sample Temperature, Field	8.5310	deg C			
01/18/11	L52381-12	198	Sample Temperature, Field	8.1736	deg C			
01/18/11	L52381-13	198	Sample Temperature, Field	8.1732	deg C			
02/22/11	L52539-6	0.96	Sample Temperature, Field	7.7261	deg C			
02/22/11	L52539-7	14.8	Sample Temperature, Field	8.1228	deg C			
02/22/11	L52539-8	24.7	Sample Temperature, Field	8.1915	deg C			
02/22/11	L52539-9	34.6	Sample Temperature, Field	8.1888	deg C			
02/22/11	L52539-10	54.4	Sample Temperature, Field	8.1533	deg C			
02/22/11	L52539-11	98.9	Sample Temperature, Field	8.0737	deg C			
02/22/11	L52539-12	197	Sample Temperature, Field	7.9810	deg C			
02/22/11	L52539-13	198	Sample Temperature, Field	7.9812	deg C			
03/21/11	L52727-6	1.5	Sample Temperature, Field	7.8055	deg C			
03/21/11	L52732-1	1.5	Sample Temperature, Field	7.8055	deg C			
03/21/11	L52732-2	6	Sample Temperature, Field	7.7910	deg C			
03/21/11	L52727-7	15.3	Sample Temperature, Field	7.7599	deg C			
03/21/11	L52727-8	25.2	Sample Temperature, Field	7.7397	deg C			
03/21/11	L52727-9	35.1	Sample Temperature, Field	7.7378	deg C			
03/21/11	L52727-10	54.9	Sample Temperature, Field	7.7152	deg C			
03/21/11	L52727-11	99.6	Sample Temperature, Field	7.6892	deg C			
03/21/11	L52727-12	198	Sample Temperature, Field	7.5913	deg C			
03/21/11	L52727-13	198	Sample Temperature, Field	7.5912	deg C			
04/04/11	L52882-1	1.2	Sample Temperature, Field	7.9883	deg C			
04/04/11	L52882-2	2.5	Sample Temperature, Field	7.9849	deg C			

Table A-1

Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
04/18/11	L52886-1	1.9	Sample Temperature, Field	8.3546	deg C			
04/18/11	L52883-6	1.9	Sample Temperature, Field	8.3546	deg C			
04/18/11	L52886-2	6.6	Sample Temperature, Field	8.3478	deg C			
04/18/11	L52883-7	16.1	Sample Temperature, Field	8.1237	deg C			
04/18/11	L52883-8	25.9	Sample Temperature, Field	7.9959	deg C			
04/18/11	L52883-9	35.9	Sample Temperature, Field	7.9861	deg C			
04/18/11	L52883-10	54.4	Sample Temperature, Field	7.9684	deg C			
04/18/11	L52883-11	99.1	Sample Temperature, Field	7.9566	deg C			
04/18/11	L52883-12	198	Sample Temperature, Field	7.9042	deg C			
04/18/11	L52883-13	198	Sample Temperature, Field	7.9040	deg C			
05/04/11	L53125-1	1.2	Sample Temperature, Field	9.4099	deg C			
05/04/11	L53125-2	5.5	Sample Temperature, Field	9.6382	deg C			
05/16/11	L53206-6	1.5	Sample Temperature, Field	9.3803	deg C			
05/16/11	L53209-1	1.5	Sample Temperature, Field	9.3803	deg C			
05/16/11	L53209-2	2.9	Sample Temperature, Field	9.3754	deg C			
05/16/11	L53206-7	15.2	Sample Temperature, Field	8.9990	deg C			
05/16/11	L53206-8	25	Sample Temperature, Field	8.8475	deg C			
05/16/11	L53206-9	35	Sample Temperature, Field	8.7143	deg C			
05/16/11	L53206-10	54.7	Sample Temperature, Field	8.5685	deg C			
05/16/11	L53206-11	99.4	Sample Temperature, Field	8.4590	deg C			
05/16/11	L53206-12	198	Sample Temperature, Field	8.6792	deg C			
05/16/11	L53206-13	198	Sample Temperature, Field	8.6812	deg C			
06/08/11	L53226-1	1.2	Sample Temperature, Field	10.4910	deg C			
06/08/11	L53226-2	2.6	Sample Temperature, Field	10.4563	deg C			
06/20/11	L53429-1	1.3	Sample Temperature, Field	11.4120	deg C			
06/20/11	L53331-6	1.3	Sample Temperature, Field	11.4120	deg C			
06/20/11	L53429-2	2.8	Sample Temperature, Field	11.3785	deg C			
06/20/11	L53331-7	15.1	Sample Temperature, Field	10.0880	deg C			
06/20/11	L53331-8	24.9	Sample Temperature, Field	9.9345	deg C			
06/20/11	L53331-9	34.8	Sample Temperature, Field	9.9328	deg C			
06/20/11	L53331-10	54.4	Sample Temperature, Field	9.8563	deg C			
06/20/11	L53331-11	99.1	Sample Temperature, Field	9.7591	deg C			
06/20/11	L53331-12	198	Sample Temperature, Field	9.4112	deg C			
06/20/11	L53331-13	198	Sample Temperature, Field	9.4113	deg C			
07/06/11	L53327-1	1.3	Sample Temperature, Field	12.9281	deg C			
07/06/11	L53327-2	3.6	Sample Temperature, Field	12.4272	deg C			
07/14/11	L53626-1	4.7	Sample Temperature, Field	12.1427	deg C			
07/14/11	L53626-2	49.3	Sample Temperature, Field	10.6787	deg C			
07/14/11	L53626-3	198	Sample Temperature, Field	10.0463	deg C			
07/18/11	L53542-6	1.2	Sample Temperature, Field	11.7902	deg C			
07/18/11	L53545-1	1.2	Sample Temperature, Field	11.7102	deg C			
07/18/11	L53545-2	3.6	Sample Temperature, Field	11.5744	deg C			
07/18/11	L53542-7	15.1	Sample Temperature, Field	10.9568	deg C			
07/18/11	L53542-8	24.8	Sample Temperature, Field	10.8520	deg C			
07/18/11	L53542-9	34.8	Sample Temperature, Field	10.7684	deg C			
07/18/11	L53542-10	54.7	Sample Temperature, Field	10.6033	deg C			
07/18/11	L53542-11	99.3	Sample Temperature, Field	10.5382	deg C			
07/18/11	L53542-12	198	Sample Temperature, Field	10.1377	deg C			
07/18/11	L53542-13	198	Sample Temperature, Field	10.1379	deg C			
08/03/11	L53731-1	1.2	Sample Temperature, Field	12.9579	deg C			
08/03/11	L53731-2	2.7	Sample Temperature, Field	13.1900	deg C			
08/15/11	L53889-6	1.3	Sample Temperature, Field	13.1419	deg C			

Table A-1

Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
08/15/11	L53892-1	1.3	Sample Temperature, Field	13.1419	deg C			
08/15/11	L53892-2	3.8	Sample Temperature, Field	13.0456	deg C			
08/15/11	L53889-7	15.1	Sample Temperature, Field	12.4575	deg C			
08/15/11	L53889-8	25	Sample Temperature, Field	11.4875	deg C			
08/15/11	L53889-9	34.8	Sample Temperature, Field	11.4120	deg C			
08/15/11	L53889-10	54.5	Sample Temperature, Field	11.2654	deg C			
08/15/11	L53889-11	99.3	Sample Temperature, Field	11.1090	deg C			
08/15/11	L53889-12	198	Sample Temperature, Field	10.9231	deg C			
08/15/11	L53889-13	198	Sample Temperature, Field	10.9231	deg C			
09/07/11	L54044-1	1.2	Sample Temperature, Field	12.8521	deg C			
09/07/11	L54044-2	2.6	Sample Temperature, Field	12.8359	deg C			
09/19/11	L54019-6	1.2	Sample Temperature, Field	12.3565	deg C			
09/19/11	L54022-1	1.2	Sample Temperature, Field	12.3565	deg C			
09/19/11	L54022-2	8.1	Sample Temperature, Field	12.3423	deg C			
09/19/11	L54019-7	15	Sample Temperature, Field	12.2471	deg C			
09/19/11	L54019-8	24.9	Sample Temperature, Field	12.0205	deg C			
09/19/11	L54019-9	34.8	Sample Temperature, Field	11.8962	deg C			
09/19/11	L54019-10	54.6	Sample Temperature, Field	11.5550	deg C			
09/19/11	L54019-11	99.2	Sample Temperature, Field	11.4752	deg C			
09/19/11	L54019-12	198	Sample Temperature, Field	11.3392	deg C			
09/19/11	L54019-13	198	Sample Temperature, Field	11.3336	deg C			
10/06/11	L54268-1	1.2	Sample Temperature, Field	12.0699	deg C			
10/06/11	L54268-2	5.6	Sample Temperature, Field	12.0230	deg C			
10/17/11	L54270-1	1.1	Sample Temperature, Field	11.4833	deg C			
10/17/11	L54269-6	1.1	Sample Temperature, Field	11.4833	deg C			
10/17/11	L54270-2	5.6	Sample Temperature, Field	11.6493	deg C			
10/17/11	L54269-7	14.9	Sample Temperature, Field	11.6805	deg C			
10/17/11	L54269-8	24.8	Sample Temperature, Field	11.5219	deg C			
10/17/11	L54269-9	34.7	Sample Temperature, Field	11.5190	deg C			
10/17/11	L54269-10	54.5	Sample Temperature, Field	11.4165	deg C			
10/17/11	L54269-11	99.1	Sample Temperature, Field	11.1930	deg C			
10/17/11	L54269-12	198	Sample Temperature, Field	11.1136	deg C			
10/17/11	L54269-13	198	Sample Temperature, Field	11.1133	deg C			
11/28/11	L54474-6	1.6	Sample Temperature, Field	10.0238	deg C			
11/28/11	L54474-7	14.9	Sample Temperature, Field	10.0912	deg C			
11/28/11	L54474-8	24.7	Sample Temperature, Field	10.0978	deg C			
11/28/11	L54474-9	34.7	Sample Temperature, Field	10.0026	deg C			
11/28/11	L54474-10	54.5	Sample Temperature, Field	9.9469	deg C			
11/28/11	L54474-11	99	Sample Temperature, Field	9.7738	deg C			
11/28/11	L54474-12	198	Sample Temperature, Field	9.5073	deg C			
11/28/11	L54474-13	198	Sample Temperature, Field	9.5050	deg C			
12/14/11	L54765-1	4.9	Sample Temperature, Field	8.9912	deg C			
12/14/11	L54765-2	49.5	Sample Temperature, Field	9.5055	deg C			
12/14/11	L54765-3	198	Sample Temperature, Field	8.9946	deg C			
12/19/11	L54766-6	1	Sample Temperature, Field	9.2823	deg C			
12/19/11	L54766-7	14.8	Sample Temperature, Field	9.4382	deg C			
12/19/11	L54766-8	24.6	Sample Temperature, Field	9.4676	deg C			
12/19/11	L54766-9	34.6	Sample Temperature, Field	9.4726	deg C			
12/19/11	L54766-10	54.3	Sample Temperature, Field	9.1692	deg C			
12/19/11	L54766-11	98.9	Sample Temperature, Field	8.9511	deg C			
12/19/11	L54766-12	198	Sample Temperature, Field	8.7678	deg C			
12/19/11	L54766-13	198	Sample Temperature, Field	8.7615	deg C			

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Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
01/23/12	L54840-6	1.2	Sample Temperature, Field	7.9581	deg C			
01/23/12	L54840-7	15.1	Sample Temperature, Field	8.1207	deg C			
01/23/12	L54840-8	25	Sample Temperature, Field	8.1937	deg C			
01/23/12	L54840-9	34.9	Sample Temperature, Field	8.1751	deg C			
01/23/12	L54840-10	54.4	Sample Temperature, Field	8.1249	deg C			
01/23/12	L54840-11	99.1	Sample Temperature, Field	7.9655	deg C			
01/23/12	L54840-12	198	Sample Temperature, Field	7.5976	deg C			
01/23/12	L54840-13	199	Sample Temperature, Field	7.5961	deg C			
02/21/12	L55087-6	1.2	Sample Temperature, Field	7.8167	deg C			
02/21/12	L55087-7	15.1	Sample Temperature, Field	7.8138	deg C			
02/21/12	L55087-8	25	Sample Temperature, Field	7.8120	deg C			
02/21/12	L55087-9	34.9	Sample Temperature, Field	7.8122	deg C			
02/21/12	L55087-10	54.7	Sample Temperature, Field	7.7945	deg C			
02/21/12	L55087-11	99.4	Sample Temperature, Field	7.7457	deg C			
02/21/12	L55087-12	198	Sample Temperature, Field	7.7355	deg C			
02/21/12	L55087-13	198	Sample Temperature, Field	7.7354	deg C			
03/19/12	L55193-6	2.8	Sample Temperature, Field	7.1768	deg C			
03/19/12	L55193-7	16	Sample Temperature, Field	7.5678	deg C			
03/19/12	L55193-8	25	Sample Temperature, Field	7.6101	deg C			
03/19/12	L55193-9	34.9	Sample Temperature, Field	7.5818	deg C			
03/19/12	L55193-10	54.4	Sample Temperature, Field	7.5498	deg C			
03/19/12	L55193-11	99.2	Sample Temperature, Field	7.5052	deg C			
03/19/12	L55193-12	198	Sample Temperature, Field	7.4920	deg C			
03/19/12	L55193-13	198	Sample Temperature, Field	7.4919	deg C			
04/03/12	L55355-1	1.2	Sample Temperature, Field	7.8788	deg C			
04/03/12	L55355-2	5.3	Sample Temperature, Field	7.8629	deg C			
04/16/12	L55373-1	1.3	Sample Temperature, Field	8.9614	deg C			
04/16/12	L55370-6	1.3	Sample Temperature, Field	8.9614	deg C			
04/16/12	L55373-2	3.8	Sample Temperature, Field	8.7488	deg C			
04/16/12	L55370-7	15.1	Sample Temperature, Field	8.3034	deg C			
04/16/12	L55370-8	24.8	Sample Temperature, Field	8.0915	deg C			
04/16/12	L55370-9	34.7	Sample Temperature, Field	7.8738	deg C			
04/16/12	L55370-10	54.6	Sample Temperature, Field	7.8883	deg C			
04/16/12	L55370-11	99.2	Sample Temperature, Field	7.9071	deg C			
04/16/12	L55370-12	198	Sample Temperature, Field	7.7212	deg C			
04/16/12	L55370-13	198	Sample Temperature, Field	7.7207	deg C			
05/09/12	L55525-1	1.2	Sample Temperature, Field	10.7967	deg C			
05/09/12	L55525-2	3.5	Sample Temperature, Field	10.6665	deg C			
05/21/12	L55535-1	1.6	Sample Temperature, Field	10.6800	deg C			
05/21/12	L55534-6	1.6	Sample Temperature, Field	10.6800	deg C			
05/21/12	L55535-2	3.9	Sample Temperature, Field	10.5036	deg C			
05/21/12	L55534-7	15.1	Sample Temperature, Field	9.3810	deg C			
05/21/12	L55534-8	25	Sample Temperature, Field	8.9898	deg C			
05/21/12	L55534-9	34.8	Sample Temperature, Field	8.9664	deg C			
05/21/12	L55534-10	54.6	Sample Temperature, Field	9.0055	deg C			
05/21/12	L55534-11	99.3	Sample Temperature, Field	8.8772	deg C			
05/21/12	L55534-12	198	Sample Temperature, Field	9.1021	deg C			
05/21/12	L55534-13	198	Sample Temperature, Field	9.1020	deg C			
06/06/12	L55730-1	1.1	Sample Temperature, Field	10.8088	deg C			
06/06/12	L55730-2	3.5	Sample Temperature, Field	10.8635	deg C			
06/18/12	L55788-6	1.3	Sample Temperature, Field	11.8418	deg C			
06/18/12	L55791-1	1.3	Sample Temperature, Field	11.8418	deg C			

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
06/18/12	L55791-2	2.7	Sample Temperature, Field	11.7926	deg C			
06/18/12	L55788-7	15.1	Sample Temperature, Field	10.1343	deg C			
06/18/12	L55788-8	24.8	Sample Temperature, Field	9.9213	deg C			
06/18/12	L55788-9	34.8	Sample Temperature, Field	9.7550	deg C			
06/18/12	L55788-10	54.6	Sample Temperature, Field	9.5567	deg C			
06/18/12	L55788-11	99.1	Sample Temperature, Field	9.5224	deg C			
06/18/12	L55788-12	198	Sample Temperature, Field	9.5186	deg C			
06/18/12	L55788-13	198	Sample Temperature, Field	9.5186	deg C			
07/03/12	L55889-1	1.3	Sample Temperature, Field	12.5950	deg C			
07/03/12	L55889-2	2.6	Sample Temperature, Field	12.2817	deg C			
07/16/12	L55944-6	1.3	Sample Temperature, Field	13.6706	deg C			
07/16/12	L55946-1	1.3	Sample Temperature, Field	13.6706	deg C			
07/16/12	L55946-2	2.8	Sample Temperature, Field	13.6342	deg C			
07/16/12	L55944-7	15	Sample Temperature, Field	12.6161	deg C			
07/16/12	L55944-8	24.3	Sample Temperature, Field	11.1509	deg C			
07/16/12	L55944-9	24.9	Sample Temperature, Field	11.1374	deg C			
07/16/12	L55944-10	34.9	Sample Temperature, Field	10.8669	deg C			
07/16/12	L55944-11	54.6	Sample Temperature, Field	10.2743	deg C			
07/16/12	L55944-12	99.2	Sample Temperature, Field	10.1065	deg C			
07/16/12	L55944-13	198	Sample Temperature, Field	10.1366	deg C			
07/30/12	L56062-1	4.8	Sample Temperature, Field	12.1289	deg C			
07/30/12	L56062-2	49.4	Sample Temperature, Field	10.8233	deg C			
07/30/12	L56062-3	198	Sample Temperature, Field	10.4998	deg C			
08/08/12	L56173-1	1.1	Sample Temperature, Field	12.6592	deg C			
08/08/12	L56173-2	2.6	Sample Temperature, Field	12.5489	deg C			
08/20/12	L56174-1	1.2	Sample Temperature, Field	13.9506	deg C			
08/20/12	L56238-6	1.2	Sample Temperature, Field	13.9506	deg C			
08/20/12	L56174-2	5.6	Sample Temperature, Field	13.6685	deg C			
08/20/12	L56238-7	15	Sample Temperature, Field	12.4524	deg C			
08/20/12	L56238-8	24.8	Sample Temperature, Field	11.8547	deg C			
08/20/12	L56238-9	34.7	Sample Temperature, Field	11.5677	deg C			
08/20/12	L56238-10	54.6	Sample Temperature, Field	11.3739	deg C			
08/20/12	L56238-11	99.2	Sample Temperature, Field	11.2779	deg C			
08/20/12	L56238-12	198	Sample Temperature, Field	10.9819	deg C			
08/20/12	L56238-13	198	Sample Temperature, Field	10.9742	deg C			
09/05/12	L56391-1	1	Sample Temperature, Field	12.7887	deg C			
09/05/12	L56391-2	2.4	Sample Temperature, Field	12.7298	deg C			
09/17/12	L56394-6	0.99	Sample Temperature, Field	12.8616	deg C			
09/17/12	L56393-1	0.99	Sample Temperature, Field	12.8616	deg C			
09/17/12	L56393-2	3.5	Sample Temperature, Field	12.8443	deg C			
09/17/12	L56394-7	15	Sample Temperature, Field	12.3114	deg C			
09/17/12	L56394-8	24.9	Sample Temperature, Field	11.7810	deg C			
09/17/12	L56394-9	34.7	Sample Temperature, Field	11.7357	deg C			
09/17/12	L56394-10	54.2	Sample Temperature, Field	11.6110	deg C			
09/17/12	L56394-11	99.2	Sample Temperature, Field	11.5534	deg C			
09/17/12	L56394-12	198	Sample Temperature, Field	11.1792	deg C			
09/17/12	L56394-13	198	Sample Temperature, Field	11.1749	deg C			
10/03/12	L56648-1	0.95	Sample Temperature, Field	12.1247	deg C			
10/03/12	L56648-2	7.7	Sample Temperature, Field	12.1296	deg C			
10/16/12	L56533-6	1.3	Sample Temperature, Field	11.8637	deg C			
10/16/12	L56533-7	15.1	Sample Temperature, Field	11.7529	deg C			
10/16/12	L56533-8	25.1	Sample Temperature, Field	11.6405	deg C			

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Complete Water Quality Monitoring Data for Station KSBP01
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Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
10/16/12	L56533-9	35.1	Sample Temperature, Field	11.5902	deg C			
10/16/12	L56533-10	54.9	Sample Temperature, Field	11.3076	deg C			
10/16/12	L56533-11	99.3	Sample Temperature, Field	11.2007	deg C			
10/16/12	L56533-12	198	Sample Temperature, Field	10.8169	deg C			
10/16/12	L56533-13	199	Sample Temperature, Field	10.8171	deg C			
10/18/12	L56781-1	1.3	Sample Temperature, Field	11.8068	deg C			
10/18/12	L56781-2	5.7	Sample Temperature, Field	11.7435	deg C			
11/26/12	L56803-6	0.61	Sample Temperature, Field	9.6539	deg C			
11/26/12	L56803-7	14.5	Sample Temperature, Field	10.3681	deg C			
11/26/12	L56803-8	24.4	Sample Temperature, Field	10.3505	deg C			
11/26/12	L56803-9	34.2	Sample Temperature, Field	10.3079	deg C			
11/26/12	L56803-10	54.1	Sample Temperature, Field	10.2558	deg C			
11/26/12	L56803-11	98.6	Sample Temperature, Field	10.0811	deg C			
11/26/12	L56803-12	198	Sample Temperature, Field	9.8582	deg C			
11/26/12	L56803-13	198	Sample Temperature, Field	9.8580	deg C			
12/12/12	L56990-1	4.9	Sample Temperature, Field	9.5119	deg C			
12/12/12	L56990-2	49.3	Sample Temperature, Field	9.4941	deg C			
12/12/12	L56990-3	198	Sample Temperature, Field	9.9325	deg C			
12/18/12	L57085-6	0.45	Sample Temperature, Field	9.6037	deg C			
12/18/12	L57085-7	14.4	Sample Temperature, Field	9.6383	deg C			
12/18/12	L57085-8	24.2	Sample Temperature, Field	9.6416	deg C			
12/18/12	L57085-9	34	Sample Temperature, Field	9.6491	deg C			
12/18/12	L57085-10	53.8	Sample Temperature, Field	9.6073	deg C			
12/18/12	L57085-11	98.6	Sample Temperature, Field	9.6173	deg C			
12/18/12	L57085-12	197	Sample Temperature, Field	9.9199	deg C			
12/18/12	L57085-13	198	Sample Temperature, Field	9.9249	deg C			
01/18/11	L52381-6	1.2	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
01/18/11	L52381-7	15	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
01/18/11	L52381-8	24.9	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
01/18/11	L52381-9	34.8	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
01/18/11	L52381-10	54.7	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
01/18/11	L52381-11	99.3	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
01/18/11	L52381-12	198	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
01/18/11	L52381-13	198	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
02/22/11	L52539-6	0.96	Dissolved Oxygen, Field	9.0	mg/L		0.5	1
02/22/11	L52539-7	14.8	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
02/22/11	L52539-8	24.7	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
02/22/11	L52539-9	34.6	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
02/22/11	L52539-10	54.4	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
02/22/11	L52539-11	98.9	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
02/22/11	L52539-12	197	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
02/22/11	L52539-13	198	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
03/21/11	L52727-6	1.5	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
03/21/11	L52732-1	1.5	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
03/21/11	L52732-2	6	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
03/21/11	L52727-7	15.3	Dissolved Oxygen, Field	9.0	mg/L		0.5	1
03/21/11	L52727-8	25.2	Dissolved Oxygen, Field	8.9	mg/L		0.5	1
03/21/11	L52727-9	35.1	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
03/21/11	L52727-10	54.9	Dissolved Oxygen, Field	8.9	mg/L		0.5	1
03/21/11	L52727-11	99.6	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
03/21/11	L52727-12	198	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
03/21/11	L52727-13	198	Dissolved Oxygen, Field	8.4	mg/L		0.5	1

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Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
04/04/11	L52882-1	1.2	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
04/04/11	L52882-2	2.5	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
04/18/11	L52886-1	1.9	Dissolved Oxygen, Field	9.8	mg/L		0.5	1
04/18/11	L52883-6	1.9	Dissolved Oxygen, Field	9.8	mg/L		0.5	1
04/18/11	L52886-2	6.6	Dissolved Oxygen, Field	9.4	mg/L		0.5	1
04/18/11	L52883-7	16.1	Dissolved Oxygen, Field	9.0	mg/L		0.5	1
04/18/11	L52883-8	25.9	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
04/18/11	L52883-9	35.9	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
04/18/11	L52883-10	54.4	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
04/18/11	L52883-11	99.1	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
04/18/11	L52883-12	198	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
04/18/11	L52883-13	198	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
05/04/11	L53125-1	1.2	Dissolved Oxygen, Field	12.8	mg/L		0.5	1
05/04/11	L53125-2	5.5	Dissolved Oxygen, Field	12.4	mg/L		0.5	1
05/16/11	L53206-6	1.5	Dissolved Oxygen, Field	11.4	mg/L		0.5	1
05/16/11	L53209-1	1.5	Dissolved Oxygen, Field	11.4	mg/L		0.5	1
05/16/11	L53209-2	2.9	Dissolved Oxygen, Field	11.3	mg/L		0.5	1
05/16/11	L53206-7	15.2	Dissolved Oxygen, Field	10.2	mg/L		0.5	1
05/16/11	L53206-8	25	Dissolved Oxygen, Field	9.8	mg/L		0.5	1
05/16/11	L53206-9	35	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
05/16/11	L53206-10	54.7	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
05/16/11	L53206-11	99.4	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
05/16/11	L53206-12	198	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
05/16/11	L53206-13	198	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
06/08/11	L53226-1	1.2	Dissolved Oxygen, Field	11.5	mg/L		0.5	1
06/08/11	L53226-2	2.6	Dissolved Oxygen, Field	11.0	mg/L		0.5	1
06/20/11	L53429-1	1.3	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
06/20/11	L53331-6	1.3	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
06/20/11	L53429-2	2.8	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
06/20/11	L53331-7	15.1	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
06/20/11	L53331-8	24.9	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
06/20/11	L53331-9	34.8	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
06/20/11	L53331-10	54.4	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
06/20/11	L53331-11	99.1	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
06/20/11	L53331-12	198	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
06/20/11	L53331-13	198	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
07/06/11	L53327-1	1.3	Dissolved Oxygen, Field	12.8	mg/L		0.5	1
07/06/11	L53327-2	3.6	Dissolved Oxygen, Field	12.0	mg/L		0.5	1
07/14/11	L53626-1	4.7	Dissolved Oxygen, Field	9.8	mg/L		0.5	1
07/14/11	L53626-2	49.3	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
07/14/11	L53626-3	198	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
07/18/11	L53542-6	1.2	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
07/18/11	L53545-1	1.2	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
07/18/11	L53545-2	3.6	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
07/18/11	L53542-7	15.1	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
07/18/11	L53542-8	24.8	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
07/18/11	L53542-9	34.8	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
07/18/11	L53542-10	54.7	Dissolved Oxygen, Field	7.3	mg/L		0.5	1
07/18/11	L53542-11	99.3	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
07/18/11	L53542-12	198	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
07/18/11	L53542-13	198	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
08/03/11	L53731-1	1.2	Dissolved Oxygen, Field	10.4	mg/L		0.5	1

Table A-1

Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
08/03/11	L53731-2	2.7	Dissolved Oxygen, Field	10.0	mg/L		0.5	1
08/15/11	L53889-6	1.3	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
08/15/11	L53892-1	1.3	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
08/15/11	L53892-2	3.8	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
08/15/11	L53889-7	15.1	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
08/15/11	L53889-8	25	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
08/15/11	L53889-9	34.8	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
08/15/11	L53889-10	54.5	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
08/15/11	L53889-11	99.3	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
08/15/11	L53889-12	198	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
08/15/11	L53889-13	198	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
09/07/11	L54044-1	1.2	Dissolved Oxygen, Field	7.3	mg/L		0.5	1
09/07/11	L54044-2	2.6	Dissolved Oxygen, Field	7.3	mg/L		0.5	1
09/19/11	L54019-6	1.2	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
09/19/11	L54022-1	1.2	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
09/19/11	L54022-2	8.1	Dissolved Oxygen, Field	7.1	mg/L		0.5	1
09/19/11	L54019-7	15	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
09/19/11	L54019-8	24.9	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
09/19/11	L54019-9	34.8	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
09/19/11	L54019-10	54.6	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
09/19/11	L54019-11	99.2	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
09/19/11	L54019-12	198	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
09/19/11	L54019-13	198	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
10/06/11	L54268-1	1.2	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
10/06/11	L54268-2	5.6	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
10/17/11	L54270-1	1.1	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
10/17/11	L54269-6	1.1	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
10/17/11	L54270-2	5.6	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
10/17/11	L54269-7	14.9	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
10/17/11	L54269-8	24.8	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
10/17/11	L54269-9	34.7	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
10/17/11	L54269-10	54.5	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
10/17/11	L54269-11	99.1	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
10/17/11	L54269-12	198	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
10/17/11	L54269-13	198	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
11/28/11	L54474-6	1.6	Dissolved Oxygen, Field	7.3	mg/L		0.5	1
11/28/11	L54474-7	14.9	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
11/28/11	L54474-8	24.7	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
11/28/11	L54474-9	34.7	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
11/28/11	L54474-10	54.5	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
11/28/11	L54474-11	99	Dissolved Oxygen, Field	7.1	mg/L		0.5	1
11/28/11	L54474-12	198	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
11/28/11	L54474-13	198	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
12/14/11	L54765-1	4.9	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
12/14/11	L54765-2	49.5	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/14/11	L54765-3	198	Dissolved Oxygen, Field	7.1	mg/L		0.5	1
12/19/11	L54766-6	1	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
12/19/11	L54766-7	14.8	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
12/19/11	L54766-8	24.6	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/19/11	L54766-9	34.6	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/19/11	L54766-10	54.3	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
12/19/11	L54766-11	98.9	Dissolved Oxygen, Field	7.0	mg/L		0.5	1

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/19/11	L54766-12	198	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
12/19/11	L54766-13	198	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
01/23/12	L54840-6	1.2	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
01/23/12	L54840-7	15.1	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
01/23/12	L54840-8	25	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
01/23/12	L54840-9	34.9	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
01/23/12	L54840-10	54.4	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
01/23/12	L54840-11	99.1	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
01/23/12	L54840-12	198	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
01/23/12	L54840-13	199	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
02/21/12	L55087-6	1.2	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
02/21/12	L55087-7	15.1	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
02/21/12	L55087-8	25	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
02/21/12	L55087-9	34.9	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
02/21/12	L55087-10	54.7	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
02/21/12	L55087-11	99.4	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
02/21/12	L55087-12	198	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
02/21/12	L55087-13	198	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
03/19/12	L55193-6	2.8	Dissolved Oxygen, Field	9.4	mg/L		0.5	1
03/19/12	L55193-7	16	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
03/19/12	L55193-8	25	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/19/12	L55193-9	34.9	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
03/19/12	L55193-10	54.4	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
03/19/12	L55193-11	99.2	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
03/19/12	L55193-12	198	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
03/19/12	L55193-13	198	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
04/03/12	L55355-1	1.2	Dissolved Oxygen, Field	9.4	mg/L		0.5	1
04/03/12	L55355-2	5.3	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
04/16/12	L55373-1	1.3	Dissolved Oxygen, Field	12.5	mg/L		0.5	1
04/16/12	L55370-6	1.3	Dissolved Oxygen, Field	12.5	mg/L		0.5	1
04/16/12	L55373-2	3.8	Dissolved Oxygen, Field	12.2	mg/L		0.5	1
04/16/12	L55370-7	15.1	Dissolved Oxygen, Field	10.1	mg/L		0.5	1
04/16/12	L55370-8	24.8	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
04/16/12	L55370-9	34.7	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
04/16/12	L55370-10	54.6	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
04/16/12	L55370-11	99.2	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
04/16/12	L55370-12	198	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
04/16/12	L55370-13	198	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
05/09/12	L55525-1	1.2	Dissolved Oxygen, Field	12.9	mg/L		0.5	1
05/09/12	L55525-2	3.5	Dissolved Oxygen, Field	12.7	mg/L		0.5	1
05/21/12	L55535-1	1.6	Dissolved Oxygen, Field	11.6	mg/L		0.5	1
05/21/12	L55534-6	1.6	Dissolved Oxygen, Field	11.6	mg/L		0.5	1
05/21/12	L55535-2	3.9	Dissolved Oxygen, Field	11.4	mg/L		0.5	1
05/21/12	L55534-7	15.1	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
05/21/12	L55534-8	25	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
05/21/12	L55534-9	34.8	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
05/21/12	L55534-10	54.6	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
05/21/12	L55534-11	99.3	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
05/21/12	L55534-12	198	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
05/21/12	L55534-13	198	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
06/06/12	L55730-1	1.1	Dissolved Oxygen, Field	10.5	mg/L		0.5	1
06/06/12	L55730-2	3.5	Dissolved Oxygen, Field	10.5	mg/L		0.5	1

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
06/18/12	L55788-6	1.3	Dissolved Oxygen, Field	9.8	mg/L		0.5	1
06/18/12	L55791-1	1.3	Dissolved Oxygen, Field	9.8	mg/L		0.5	1
06/18/12	L55791-2	2.7	Dissolved Oxygen, Field	9.8	mg/L		0.5	1
06/18/12	L55788-7	15.1	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
06/18/12	L55788-8	24.8	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
06/18/12	L55788-9	34.8	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
06/18/12	L55788-10	54.6	Dissolved Oxygen, Field	7.3	mg/L		0.5	1
06/18/12	L55788-11	99.1	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
06/18/12	L55788-12	198	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
06/18/12	L55788-13	198	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
07/03/12	L55889-1	1.3	Dissolved Oxygen, Field	7.1	mg/L		0.5	1
07/03/12	L55889-2	2.6	Dissolved Oxygen, Field	9.7	mg/L		0.5	1
07/16/12	L55944-6	1.3	Dissolved Oxygen, Field	9.9	mg/L		0.5	1
07/16/12	L55946-1	1.3	Dissolved Oxygen, Field	9.9	mg/L		0.5	1
07/16/12	L55946-2	2.8	Dissolved Oxygen, Field	9.9	mg/L		0.5	1
07/16/12	L55944-7	15	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
07/16/12	L55944-8	24.3	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
07/16/12	L55944-9	24.9	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
07/16/12	L55944-10	34.9	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
07/16/12	L55944-11	54.6	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
07/16/12	L55944-12	99.2	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
07/16/12	L55944-13	198	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
07/30/12	L56062-1	4.8	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
07/30/12	L56062-2	49.4	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
07/30/12	L56062-3	198	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
08/08/12	L56173-1	1.1	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
08/08/12	L56173-2	2.6	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
08/20/12	L56174-1	1.2	Dissolved Oxygen, Field	10.0	mg/L		0.5	1
08/20/12	L56238-6	1.2	Dissolved Oxygen, Field	10.0	mg/L		0.5	1
08/20/12	L56174-2	5.6	Dissolved Oxygen, Field	9.6	mg/L		0.5	1
08/20/12	L56238-7	15	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
08/20/12	L56238-8	24.8	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
08/20/12	L56238-9	34.7	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
08/20/12	L56238-10	54.6	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
08/20/12	L56238-11	99.2	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
08/20/12	L56238-12	198	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
08/20/12	L56238-13	198	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
09/05/12	L56391-1	1	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
09/05/12	L56391-2	2.4	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
09/17/12	L56394-6	0.99	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
09/17/12	L56393-1	0.99	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
09/17/12	L56393-2	3.5	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
09/17/12	L56394-7	15	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
09/17/12	L56394-8	24.9	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
09/17/12	L56394-9	34.7	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
09/17/12	L56394-10	54.2	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
09/17/12	L56394-11	99.2	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
09/17/12	L56394-12	198	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
09/17/12	L56394-13	198	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
10/03/12	L56648-1	0.95	Dissolved Oxygen, Field	12.2	mg/L		0.5	1
10/03/12	L56648-2	7.7	Dissolved Oxygen, Field	12.2	mg/L		0.5	1
10/16/12	L56533-6	1.3	Dissolved Oxygen, Field	6.4	mg/L		0.5	1

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
10/16/12	L56533-7	15.1	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
10/16/12	L56533-8	25.1	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
10/16/12	L56533-9	35.1	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
10/16/12	L56533-10	54.9	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
10/16/12	L56533-11	99.3	Dissolved Oxygen, Field	5.7	mg/L		0.5	1
10/16/12	L56533-12	198	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
10/16/12	L56533-13	199	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
10/18/12	L56781-1	1.3	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
10/18/12	L56781-2	5.7	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
11/26/12	L56803-6	0.61	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
11/26/12	L56803-7	14.5	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
11/26/12	L56803-8	24.4	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
11/26/12	L56803-9	34.2	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
11/26/12	L56803-10	54.1	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
11/26/12	L56803-11	98.6	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
11/26/12	L56803-12	198	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
11/26/12	L56803-13	198	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
12/12/12	L56990-1	4.9	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
12/12/12	L56990-2	49.3	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
12/12/12	L56990-3	198	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
12/18/12	L57085-6	0.45	Dissolved Oxygen, Field	7.5	mg/L	JL	0.5	1
12/18/12	L57085-7	14.4	Dissolved Oxygen, Field	7.3	mg/L	JL	0.5	1
12/18/12	L57085-8	24.2	Dissolved Oxygen, Field	7.2	mg/L	JL	0.5	1
12/18/12	L57085-9	34	Dissolved Oxygen, Field	7.1	mg/L	JL	0.5	1
12/18/12	L57085-10	53.8	Dissolved Oxygen, Field	7.1	mg/L	JL	0.5	1
12/18/12	L57085-11	98.6	Dissolved Oxygen, Field	6.9	mg/L	JL	0.5	1
12/18/12	L57085-12	197	Dissolved Oxygen, Field	6.0	mg/L	JL	0.5	1
12/18/12	L57085-13	198	Dissolved Oxygen, Field	6.0	mg/L	JL	0.5	1
08/15/11	L53889-6	1.3	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10
08/15/11	L53889-7	15.1	Total Suspended Solids	1.7	mg/L	<RDL	0.5	10
08/15/11	L53889-8	25	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
08/15/11	L53889-9	34.8	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
08/15/11	L53889-10	54.5	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
08/15/11	L53889-11	99.3	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
08/15/11	L53889-12	198	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
08/15/11	L53889-13	198	Total Suspended Solids	2.7	mg/L	<RDL	0.5	10
09/19/11	L54019-6	1.2	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
09/19/11	L54019-7	15	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
09/19/11	L54019-8	24.9	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
09/19/11	L54019-9	34.8	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
09/19/11	L54019-10	54.6	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
09/19/11	L54019-11	99.2	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
09/19/11	L54019-12	198	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
09/19/11	L54019-13	198	Total Suspended Solids	2.0	mg/L	<RDL	0.5	10
10/17/11	L54269-6	1.1	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
10/17/11	L54269-7	14.9	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
10/17/11	L54269-8	24.8	Total Suspended Solids	0.5	mg/L	<RDL	0.5	10
10/17/11	L54269-9	34.7	Total Suspended Solids	0.6	mg/L	<RDL	0.5	10
10/17/11	L54269-10	54.5	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
10/17/11	L54269-11	99.1	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
10/17/11	L54269-13	198	Total Suspended Solids	2.0	mg/L	<RDL	0.5	10
10/17/11	L54269-12	198	Total Suspended Solids	1.6	mg/L	<RDL	1	20

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
11/28/11	L54474-6	1.6	Total Suspended Solids	1.1	mg/L	<RDL	0.5	10
11/28/11	L54474-7	14.9	Total Suspended Solids	1.1	mg/L	<RDL	0.5	10
11/28/11	L54474-8	24.7	Total Suspended Solids	0.7	mg/L	<RDL	0.5	10
11/28/11	L54474-9	34.7	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
11/28/11	L54474-10	54.5	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
11/28/11	L54474-11	99	Total Suspended Solids	1.0	mg/L	<MDL	1	20
11/28/11	L54474-12	198	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
11/28/11	L54474-13	198	Total Suspended Solids	1.7	mg/L	<RDL	0.5	10
12/19/11	L54766-6	1	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
12/19/11	L54766-7	14.8	Total Suspended Solids	1.1	mg/L	<RDL	0.5	10
12/19/11	L54766-8	24.6	Total Suspended Solids	0.7	mg/L	<RDL	0.5	10
12/19/11	L54766-9	34.6	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
12/19/11	L54766-10	54.3	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
12/19/11	L54766-11	98.9	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
12/19/11	L54766-12	198	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
12/19/11	L54766-13	198	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
01/23/12	L54840-6	1.2	Total Suspended Solids	0.6	mg/L	<RDL	0.5	10
01/23/12	L54840-7	15.1	Total Suspended Solids		mg/L	<MDL	0.5	10
01/23/12	L54840-8	25	Total Suspended Solids		mg/L	<MDL	0.5	10
01/23/12	L54840-9	34.9	Total Suspended Solids	0.5	mg/L	<RDL	0.5	10
01/23/12	L54840-10	54.4	Total Suspended Solids	0.7	mg/L	<RDL	0.5	10
01/23/12	L54840-11	99.1	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
01/23/12	L54840-12	198	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
01/23/12	L54840-13	199	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
02/21/12	L55087-6	1.2	Total Suspended Solids	2.0	mg/L	<RDL	0.5	10
02/21/12	L55087-7	15.1	Total Suspended Solids	0.7	mg/L	<RDL	0.5	10
02/21/12	L55087-8	25	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
02/21/12	L55087-9	34.9	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
02/21/12	L55087-10	54.7	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
02/21/12	L55087-11	99.4	Total Suspended Solids	2.5	mg/L	<RDL	0.5	10
02/21/12	L55087-12	198	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
02/21/12	L55087-13	198	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10
03/19/12	L55193-6	2.8	Total Suspended Solids	2.7	mg/L	<RDL	0.5	10
03/19/12	L55193-7	16	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
03/19/12	L55193-8	25	Total Suspended Solids	2.0	mg/L	<RDL	0.5	10
03/19/12	L55193-9	34.9	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
03/19/12	L55193-10	54.4	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
03/19/12	L55193-11	99.2	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
03/19/12	L55193-12	198	Total Suspended Solids	3.4	mg/L	<RDL	0.5	10
03/19/12	L55193-13	198	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
04/16/12	L55370-6	1.3	Total Suspended Solids	3.9	mg/L	<RDL	0.5	11
04/16/12	L55370-7	15.1	Total Suspended Solids	2.7	mg/L	<RDL	0.5	10
04/16/12	L55370-8	24.8	Total Suspended Solids	4.7	mg/L	<RDL	0.5	10
04/16/12	L55370-9	34.7	Total Suspended Solids	4.0	mg/L	<RDL	1	20
04/16/12	L55370-10	54.6	Total Suspended Solids	3.1	mg/L	<RDL	0.5	10
04/16/12	L55370-11	99.2	Total Suspended Solids	2.0	mg/L	<RDL	0.5	10
04/16/12	L55370-12	198	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10
04/16/12	L55370-13	198	Total Suspended Solids	4.7	mg/L	<RDL	0.5	10
05/21/12	L55534-6	1.6	Total Suspended Solids	4.8	mg/L	<RDL	1	20
05/21/12	L55534-7	15.1	Total Suspended Solids	3.5	mg/L	<RDL	0.5	10
05/21/12	L55534-8	25	Total Suspended Solids	1.7	mg/L	<RDL	0.5	10
05/21/12	L55534-9	34.8	Total Suspended Solids	2.7	mg/L	<RDL	0.5	10

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Complete Water Quality Monitoring Data for Station KSBP01
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Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
05/21/12	L55534-10	54.6	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10
05/21/12	L55534-11	99.3	Total Suspended Solids	1.7	mg/L	<RDL	0.5	10
05/21/12	L55534-12	198	Total Suspended Solids	4.3	mg/L	<RDL	0.5	10
05/21/12	L55534-13	198	Total Suspended Solids	3.9	mg/L	<RDL	0.5	10
06/18/12	L55788-6	1.3	Total Suspended Solids	3.7	mg/L	<RDL	0.5	10
06/18/12	L55788-7	15.1	Total Suspended Solids	3.0	mg/L	<RDL	0.5	10
06/18/12	L55788-8	24.8	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
06/18/12	L55788-9	34.8	Total Suspended Solids	3.2	mg/L	<RDL	0.5	10
06/18/12	L55788-10	54.6	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
06/18/12	L55788-11	99.1	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
06/18/12	L55788-12	198	Total Suspended Solids	7.0	mg/L	<RDL	0.5	10
06/18/12	L55788-13	198	Total Suspended Solids	6.1	mg/L	<RDL	0.5	10
07/16/12	L55944-6	1.3	Total Suspended Solids	5.6	mg/L	<RDL	0.5	11
07/16/12	L55944-7	15	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
07/16/12	L55944-8	24.3	Total Suspended Solids	2.4	mg/L	<RDL	0.5	10
07/16/12	L55944-9	24.9	Total Suspended Solids	4.0	mg/L	<RDL	0.5	10
07/16/12	L55944-10	34.9	Total Suspended Solids	2.5	mg/L	<RDL	0.5	10
07/16/12	L55944-11	54.6	Total Suspended Solids	3.2	mg/L	<RDL	0.5	10
07/16/12	L55944-12	99.2	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
07/16/12	L55944-13	198	Total Suspended Solids	4.0	mg/L	<RDL	0.5	10
08/20/12	L56238-6	1.2	Total Suspended Solids	6.7	mg/L	<RDL	0.5	10
08/20/12	L56238-7	15	Total Suspended Solids	5.2	mg/L	<RDL	0.5	10
08/20/12	L56238-8	24.8	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
08/20/12	L56238-9	34.7	Total Suspended Solids	2.6	mg/L	<RDL	0.5	10
08/20/12	L56238-10	54.6	Total Suspended Solids	3.9	mg/L	<RDL	0.5	10
08/20/12	L56238-11	99.2	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
08/20/12	L56238-12	198	Total Suspended Solids	3.3	mg/L	<RDL	0.5	10
08/20/12	L56238-13	198	Total Suspended Solids	4.2	mg/L	<RDL	0.5	10
09/17/12	L56394-6	0.99	Total Suspended Solids	4.9	mg/L	<RDL	0.5	10
09/17/12	L56394-7	15	Total Suspended Solids	3.0	mg/L	<RDL	0.5	10
09/17/12	L56394-8	24.9	Total Suspended Solids	5.2	mg/L	<RDL	0.5	10
09/17/12	L56394-9	34.7	Total Suspended Solids	3.6	mg/L	<RDL	0.5	10
09/17/12	L56394-10	54.2	Total Suspended Solids	5.0	mg/L	<RDL	1	20
09/17/12	L56394-11	99.2	Total Suspended Solids	3.9	mg/L	<RDL	0.5	10
09/17/12	L56394-12	198	Total Suspended Solids	3.7	mg/L	<RDL	0.5	10
09/17/12	L56394-13	198	Total Suspended Solids	3.5	mg/L	<RDL	0.5	10
10/16/12	L56533-6	1.3	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
10/16/12	L56533-7	15.1	Total Suspended Solids	5.5	mg/L	<RDL	0.5	10
10/16/12	L56533-8	25.1	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
10/16/12	L56533-9	35.1	Total Suspended Solids	2.4	mg/L	<RDL	0.5	10
10/16/12	L56533-10	54.9	Total Suspended Solids	2.8	mg/L	<RDL	0.5	10
10/16/12	L56533-11	99.3	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10
10/16/12	L56533-12	198	Total Suspended Solids	4.7	mg/L	<RDL	0.5	10
10/16/12	L56533-13	199	Total Suspended Solids	3.5	mg/L	<RDL	0.5	10
11/26/12	L56803-6	0.61	Total Suspended Solids	1.7	mg/L	<RDL	0.5	10
11/26/12	L56803-7	14.5	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
11/26/12	L56803-8	24.4	Total Suspended Solids	1.4	mg/L	<RDL	1	20
11/26/12	L56803-9	34.2	Total Suspended Solids	3.0	mg/L	<RDL	0.5	10
11/26/12	L56803-10	54.1	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
11/26/12	L56803-11	98.6	Total Suspended Solids	1.8	mg/L	<RDL	0.5	10
11/26/12	L56803-12	198	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
11/26/12	L56803-13	198	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
01/18/11	L52381-6	1.2	pH, Field	7.7	pH			
01/18/11	L52381-7	15	pH, Field	7.7	pH			
01/18/11	L52381-8	24.9	pH, Field	7.7	pH			
01/18/11	L52381-9	34.8	pH, Field	7.7	pH			
01/18/11	L52381-10	54.7	pH, Field	7.7	pH			
01/18/11	L52381-11	99.3	pH, Field	7.7	pH			
01/18/11	L52381-12	198	pH, Field	7.7	pH			
01/18/11	L52381-13	198	pH, Field	7.7	pH			
02/22/11	L52539-6	0.96	pH, Field	7.6	pH			
02/22/11	L52539-7	14.8	pH, Field	7.7	pH			
02/22/11	L52539-8	24.7	pH, Field	7.7	pH			
02/22/11	L52539-9	34.6	pH, Field	7.7	pH			
02/22/11	L52539-10	54.4	pH, Field	7.7	pH			
02/22/11	L52539-11	98.9	pH, Field	7.7	pH			
02/22/11	L52539-12	197	pH, Field	7.7	pH			
02/22/11	L52539-13	198	pH, Field	7.7	pH			
03/21/11	L52727-6	1.5	pH, Field	7.8	pH			
03/21/11	L52727-7	15.3	pH, Field	7.8	pH			
03/21/11	L52727-8	25.2	pH, Field	7.8	pH			
03/21/11	L52727-9	35.1	pH, Field	7.8	pH			
03/21/11	L52727-10	54.9	pH, Field	7.8	pH			
03/21/11	L52727-11	99.6	pH, Field	7.7	pH			
03/21/11	L52727-12	198	pH, Field	7.7	pH			
03/21/11	L52727-13	198	pH, Field	7.7	pH			
04/18/11	L52883-6	1.9	pH, Field	7.8	pH			
04/18/11	L52883-7	16.1	pH, Field	7.8	pH			
04/18/11	L52883-8	25.9	pH, Field	7.8	pH			
04/18/11	L52883-9	35.9	pH, Field	7.8	pH			
04/18/11	L52883-10	54.4	pH, Field	7.8	pH			
04/18/11	L52883-11	99.1	pH, Field	7.8	pH			
04/18/11	L52883-12	198	pH, Field	7.8	pH			
04/18/11	L52883-13	198	pH, Field	7.8	pH			
05/16/11	L53206-6	1.5	pH, Field	8.0	pH			
05/16/11	L53206-7	15.2	pH, Field	7.9	pH			
05/16/11	L53206-8	25	pH, Field	7.8	pH			
05/16/11	L53206-9	35	pH, Field	7.8	pH			
05/16/11	L53206-10	54.7	pH, Field	7.7	pH			
05/16/11	L53206-11	99.4	pH, Field	7.7	pH			
05/16/11	L53206-12	198	pH, Field	7.7	pH			
05/16/11	L53206-13	198	pH, Field	7.7	pH			
06/20/11	L53331-6	1.3	pH, Field	7.9	pH			
06/20/11	L53331-7	15.1	pH, Field	7.8	pH			
06/20/11	L53331-8	24.9	pH, Field	7.8	pH			
06/20/11	L53331-9	34.8	pH, Field	7.8	pH			
06/20/11	L53331-10	54.4	pH, Field	7.8	pH			
06/20/11	L53331-11	99.1	pH, Field	7.7	pH			
06/20/11	L53331-12	198	pH, Field	7.7	pH			
06/20/11	L53331-13	198	pH, Field	7.7	pH			
07/14/11	L53626-1	4.7	pH, Field	8.0	pH			
07/14/11	L53626-2	49.3	pH, Field	7.8	pH			
07/14/11	L53626-3	198	pH, Field	7.6	pH			
07/18/11	L53542-6	1.2	pH, Field	7.9	pH			

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/18/11	L53542-7	15.1	pH, Field	7.8	pH			
07/18/11	L53542-8	24.8	pH, Field	7.8	pH			
07/18/11	L53542-9	34.8	pH, Field	7.8	pH			
07/18/11	L53542-10	54.7	pH, Field	7.8	pH			
07/18/11	L53542-11	99.3	pH, Field	7.7	pH			
07/18/11	L53542-12	198	pH, Field	7.7	pH			
07/18/11	L53542-13	198	pH, Field	7.7	pH			
08/15/11	L53889-6	1.3	pH, Field	7.8	pH			
08/15/11	L53889-7	15.1	pH, Field	7.8	pH			
08/15/11	L53889-8	25	pH, Field	7.7	pH			
08/15/11	L53889-9	34.8	pH, Field	7.7	pH			
08/15/11	L53889-10	54.5	pH, Field	7.6	pH			
08/15/11	L53889-11	99.3	pH, Field	7.6	pH			
08/15/11	L53889-12	198	pH, Field	7.6	pH			
08/15/11	L53889-13	198	pH, Field	7.6	pH			
09/19/11	L54019-6	1.2	pH, Field	7.7	pH			
09/19/11	L54019-7	15	pH, Field	7.6	pH			
09/19/11	L54019-8	24.9	pH, Field	7.6	pH			
09/19/11	L54019-9	34.8	pH, Field	7.6	pH			
09/19/11	L54019-10	54.6	pH, Field	7.6	pH			
09/19/11	L54019-11	99.2	pH, Field	7.6	pH			
09/19/11	L54019-12	198	pH, Field	7.6	pH			
09/19/11	L54019-13	198	pH, Field	7.6	pH			
10/17/11	L54269-6	1.1	pH, Field	7.7	pH			
10/17/11	L54269-7	14.9	pH, Field	7.6	pH			
10/17/11	L54269-8	24.8	pH, Field	7.6	pH			
10/17/11	L54269-9	34.7	pH, Field	7.6	pH			
10/17/11	L54269-10	54.5	pH, Field	7.5	pH			
10/17/11	L54269-11	99.1	pH, Field	7.5	pH			
10/17/11	L54269-12	198	pH, Field	7.5	pH			
10/17/11	L54269-13	198	pH, Field	7.5	pH			
11/28/11	L54474-6	1.6	pH, Field	7.5	pH			
11/28/11	L54474-7	14.9	pH, Field	7.5	pH			
11/28/11	L54474-8	24.7	pH, Field	7.5	pH			
11/28/11	L54474-9	34.7	pH, Field	7.5	pH			
11/28/11	L54474-10	54.5	pH, Field	7.5	pH			
11/28/11	L54474-11	99	pH, Field	7.5	pH			
11/28/11	L54474-12	198	pH, Field	7.5	pH			
11/28/11	L54474-13	198	pH, Field	7.5	pH			
12/14/11	L54765-1	4.9	pH, Field	7.5	pH			
12/14/11	L54765-2	49.5	pH, Field	7.5	pH			
12/14/11	L54765-3	198	pH, Field	7.5	pH			
12/19/11	L54766-6	1	pH, Field	7.5	pH			
12/19/11	L54766-7	14.8	pH, Field	7.5	pH			
12/19/11	L54766-8	24.6	pH, Field	7.5	pH			
12/19/11	L54766-9	34.6	pH, Field	7.5	pH			
12/19/11	L54766-10	54.3	pH, Field	7.5	pH			
12/19/11	L54766-11	98.9	pH, Field	7.5	pH			
12/19/11	L54766-12	198	pH, Field	7.5	pH			
12/19/11	L54766-13	198	pH, Field	7.5	pH			
07/30/12	L56062-1	4.8	pH, Field	7.8	pH			
07/30/12	L56062-2	49.4	pH, Field	7.6	pH			

Table A-1

Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/30/12	L56062-3	198	pH, Field	7.6	pH			
12/12/12	L56990-1	4.9	pH, Field	7.6	pH			
12/12/12	L56990-2	49.3	pH, Field	7.6	pH			
12/12/12	L56990-3	198	pH, Field	7.5	pH			
01/18/11	L52381-6	1.2	Salinity, Field	26.712	PSS			
01/18/11	L52381-7	15	Salinity, Field	28.468	PSS			
01/18/11	L52381-8	24.9	Salinity, Field	28.911	PSS			
01/18/11	L52381-9	34.8	Salinity, Field	29.240	PSS			
01/18/11	L52381-10	54.7	Salinity, Field	29.424	PSS			
01/18/11	L52381-11	99.3	Salinity, Field	29.505	PSS			
01/18/11	L52381-12	198	Salinity, Field	29.747	PSS			
01/18/11	L52381-13	198	Salinity, Field	29.747	PSS			
02/22/11	L52539-6	0.96	Salinity, Field	28.040	PSS			
02/22/11	L52539-7	14.8	Salinity, Field	28.776	PSS			
02/22/11	L52539-8	24.7	Salinity, Field	29.013	PSS			
02/22/11	L52539-9	34.6	Salinity, Field	29.053	PSS			
02/22/11	L52539-10	54.4	Salinity, Field	29.120	PSS			
02/22/11	L52539-11	98.9	Salinity, Field	29.280	PSS			
02/22/11	L52539-12	197	Salinity, Field	29.452	PSS			
02/22/11	L52539-13	198	Salinity, Field	29.452	PSS			
03/21/11	L52727-6	1.5	Salinity, Field	27.950	PSS			
03/21/11	L52732-1	1.5	Salinity, Field	27.950	PSS			
03/21/11	L52732-2	6	Salinity, Field	28.849	PSS			
03/21/11	L52727-7	15.3	Salinity, Field	28.719	PSS			
03/21/11	L52727-8	25.2	Salinity, Field	28.931	PSS			
03/21/11	L52727-9	35.1	Salinity, Field	28.970	PSS			
03/21/11	L52727-10	54.9	Salinity, Field	29.025	PSS			
03/21/11	L52727-11	99.6	Salinity, Field	29.184	PSS			
03/21/11	L52727-12	198	Salinity, Field	29.570	PSS			
03/21/11	L52727-13	198	Salinity, Field	29.571	PSS			
04/04/11	L52882-1	1.2	Salinity, Field	27.692	PSS			
04/04/11	L52882-2	2.5	Salinity, Field	27.834	PSS			
04/18/11	L52886-1	1.9	Salinity, Field	26.157	PSS			
04/18/11	L52883-6	1.9	Salinity, Field	26.157	PSS			
04/18/11	L52886-2	6.6	Salinity, Field	27.182	PSS			
04/18/11	L52883-7	16.1	Salinity, Field	28.309	PSS			
04/18/11	L52883-8	25.9	Salinity, Field	28.614	PSS			
04/18/11	L52883-9	35.9	Salinity, Field	28.663	PSS			
04/18/11	L52883-10	54.4	Salinity, Field	28.785	PSS			
04/18/11	L52883-11	99.1	Salinity, Field	28.905	PSS			
04/18/11	L52883-12	198	Salinity, Field	29.217	PSS			
04/18/11	L52883-13	198	Salinity, Field	29.218	PSS			
05/04/11	L53125-1	1.2	Salinity, Field	27.229	PSS			
05/04/11	L53125-2	5.5	Salinity, Field	27.504	PSS			
05/16/11	L53206-6	1.5	Salinity, Field	27.886	PSS			
05/16/11	L53209-1	1.5	Salinity, Field	27.886	PSS			
05/16/11	L53209-2	2.9	Salinity, Field	27.893	PSS			
05/16/11	L53206-7	15.2	Salinity, Field	28.382	PSS			
05/16/11	L53206-8	25	Salinity, Field	28.531	PSS			
05/16/11	L53206-9	35	Salinity, Field	28.678	PSS			
05/16/11	L53206-10	54.7	Salinity, Field	28.809	PSS			
05/16/11	L53206-11	99.4	Salinity, Field	29.224	PSS			

Table A-1
Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
05/16/11	L53206-12	198	Salinity, Field	29.571	PSS			
05/16/11	L53206-13	198	Salinity, Field	29.576	PSS			
06/08/11	L53226-1	1.2	Salinity, Field	28.171	PSS			
06/08/11	L53226-2	2.6	Salinity, Field	28.222	PSS			
06/20/11	L53429-1	1.3	Salinity, Field	27.964	PSS			
06/20/11	L53331-6	1.3	Salinity, Field	27.964	PSS			
06/20/11	L53429-2	2.8	Salinity, Field	28.014	PSS			
06/20/11	L53331-7	15.1	Salinity, Field	28.866	PSS			
06/20/11	L53331-8	24.9	Salinity, Field	28.982	PSS			
06/20/11	L53331-9	34.8	Salinity, Field	29.036	PSS			
06/20/11	L53331-10	54.4	Salinity, Field	29.175	PSS			
06/20/11	L53331-11	99.1	Salinity, Field	29.522	PSS			
06/20/11	L53331-12	198	Salinity, Field	29.635	PSS			
06/20/11	L53331-13	198	Salinity, Field	29.634	PSS			
07/06/11	L53327-1	1.3	Salinity, Field	26.597	PSS			
07/06/11	L53327-2	3.6	Salinity, Field	27.697	PSS			
07/14/11	L53626-1	4.7	Salinity, Field	28.552	PSS			
07/14/11	L53626-2	49.3	Salinity, Field	29.132	PSS			
07/14/11	L53626-3	198	Salinity, Field	29.773	PSS			
07/18/11	L53542-6	1.2	Salinity, Field	28.752	PSS			
07/18/11	L53545-1	1.2	Salinity, Field	28.817	PSS			
07/18/11	L53545-2	3.6	Salinity, Field	28.860	PSS			
07/18/11	L53542-7	15.1	Salinity, Field	29.113	PSS			
07/18/11	L53542-8	24.8	Salinity, Field	29.194	PSS			
07/18/11	L53542-9	34.8	Salinity, Field	29.222	PSS			
07/18/11	L53542-10	54.7	Salinity, Field	29.357	PSS			
07/18/11	L53542-11	99.3	Salinity, Field	29.653	PSS			
07/18/11	L53542-12	198	Salinity, Field	29.708	PSS			
07/18/11	L53542-13	198	Salinity, Field	29.709	PSS			
08/03/11	L53731-1	1.2	Salinity, Field	28.573	PSS			
08/03/11	L53731-2	2.7	Salinity, Field	28.440	PSS			
08/15/11	L53889-6	1.3	Salinity, Field	29.012	PSS			
08/15/11	L53892-1	1.3	Salinity, Field	29.012	PSS			
08/15/11	L53892-2	3.8	Salinity, Field	29.047	PSS			
08/15/11	L53889-7	15.1	Salinity, Field	29.154	PSS			
08/15/11	L53889-8	25	Salinity, Field	29.422	PSS			
08/15/11	L53889-9	34.8	Salinity, Field	29.468	PSS			
08/15/11	L53889-10	54.5	Salinity, Field	29.572	PSS			
08/15/11	L53889-11	99.3	Salinity, Field	29.729	PSS			
08/15/11	L53889-12	198	Salinity, Field	29.887	PSS			
08/15/11	L53889-13	198	Salinity, Field	29.887	PSS			
09/07/11	L54044-1	1.2	Salinity, Field	29.483	PSS			
09/07/11	L54044-2	2.6	Salinity, Field	29.490	PSS			
09/19/11	L54019-6	1.2	Salinity, Field	29.722	PSS			
09/19/11	L54022-1	1.2	Salinity, Field	29.722	PSS			
09/19/11	L54022-2	8.1	Salinity, Field	29.733	PSS			
09/19/11	L54019-7	15	Salinity, Field	29.767	PSS			
09/19/11	L54019-8	24.9	Salinity, Field	29.834	PSS			
09/19/11	L54019-9	34.8	Salinity, Field	29.934	PSS			
09/19/11	L54019-10	54.6	Salinity, Field	30.155	PSS			
09/19/11	L54019-11	99.2	Salinity, Field	30.255	PSS			
09/19/11	L54019-12	198	Salinity, Field	30.356	PSS			

Table A-1
Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
09/19/11	L54019-13	198	Salinity, Field	30.360	PSS			
10/06/11	L54268-1	1.2	Salinity, Field	29.880	PSS			
10/06/11	L54268-2	5.6	Salinity, Field	29.968	PSS			
10/17/11	L54270-1	1.1	Salinity, Field	28.681	PSS			
10/17/11	L54269-6	1.1	Salinity, Field	28.681	PSS			
10/17/11	L54270-2	5.6	Salinity, Field	29.028	PSS			
10/17/11	L54269-7	14.9	Salinity, Field	29.773	PSS			
10/17/11	L54269-8	24.8	Salinity, Field	30.169	PSS			
10/17/11	L54269-9	34.7	Salinity, Field	30.170	PSS			
10/17/11	L54269-10	54.5	Salinity, Field	30.217	PSS			
10/17/11	L54269-11	99.1	Salinity, Field	30.336	PSS			
10/17/11	L54269-12	198	Salinity, Field	30.367	PSS			
10/17/11	L54269-13	198	Salinity, Field	30.367	PSS			
11/28/11	L54474-6	1.6	Salinity, Field	29.828	PSS			
11/28/11	L54474-7	14.9	Salinity, Field	29.902	PSS			
11/28/11	L54474-8	24.7	Salinity, Field	30.092	PSS			
11/28/11	L54474-9	34.7	Salinity, Field	30.114	PSS			
11/28/11	L54474-10	54.5	Salinity, Field	30.114	PSS			
11/28/11	L54474-11	99	Salinity, Field	30.171	PSS			
11/28/11	L54474-12	198	Salinity, Field	30.211	PSS			
11/28/11	L54474-13	198	Salinity, Field	30.213	PSS			
12/14/11	L54765-1	4.9	Salinity, Field	29.384	PSS			
12/14/11	L54765-2	49.5	Salinity, Field	29.879	PSS			
12/14/11	L54765-3	198	Salinity, Field	29.966	PSS			
12/19/11	L54766-6	1	Salinity, Field	29.538	PSS			
12/19/11	L54766-7	14.8	Salinity, Field	29.746	PSS			
12/19/11	L54766-8	24.6	Salinity, Field	29.855	PSS			
12/19/11	L54766-9	34.6	Salinity, Field	29.878	PSS			
12/19/11	L54766-10	54.3	Salinity, Field	29.919	PSS			
12/19/11	L54766-11	98.9	Salinity, Field	29.937	PSS			
12/19/11	L54766-12	198	Salinity, Field	30.049	PSS			
12/19/11	L54766-13	198	Salinity, Field	30.056	PSS			
01/23/12	L54840-6	1.2	Salinity, Field	29.320	PSS			
01/23/12	L54840-7	15.1	Salinity, Field	29.586	PSS			
01/23/12	L54840-8	25	Salinity, Field	29.775	PSS			
01/23/12	L54840-9	34.9	Salinity, Field	29.777	PSS			
01/23/12	L54840-10	54.4	Salinity, Field	29.829	PSS			
01/23/12	L54840-11	99.1	Salinity, Field	29.888	PSS			
01/23/12	L54840-12	198	Salinity, Field	29.900	PSS			
01/23/12	L54840-13	199	Salinity, Field	29.901	PSS			
02/21/12	L55087-6	1.2	Salinity, Field	29.263	PSS			
02/21/12	L55087-7	15.1	Salinity, Field	29.390	PSS			
02/21/12	L55087-8	25	Salinity, Field	29.419	PSS			
02/21/12	L55087-9	34.9	Salinity, Field	29.442	PSS			
02/21/12	L55087-10	54.7	Salinity, Field	29.522	PSS			
02/21/12	L55087-11	99.4	Salinity, Field	29.701	PSS			
02/21/12	L55087-12	198	Salinity, Field	29.752	PSS			
02/21/12	L55087-13	198	Salinity, Field	29.752	PSS			
03/19/12	L55193-6	2.8	Salinity, Field	26.061	PSS			
03/19/12	L55193-7	16	Salinity, Field	29.118	PSS			
03/19/12	L55193-8	25	Salinity, Field	29.276	PSS			
03/19/12	L55193-9	34.9	Salinity, Field	29.350	PSS			

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
03/19/12	L55193-10	54.4	Salinity, Field	29.578	PSS			
03/19/12	L55193-11	99.2	Salinity, Field	29.697	PSS			
03/19/12	L55193-12	198	Salinity, Field	29.940	PSS			
03/19/12	L55193-13	198	Salinity, Field	29.940	PSS			
04/03/12	L55355-1	1.2	Salinity, Field	28.770	PSS			
04/03/12	L55355-2	5.3	Salinity, Field	28.806	PSS			
04/16/12	L55373-1	1.3	Salinity, Field	28.185	PSS			
04/16/12	L55370-6	1.3	Salinity, Field	28.185	PSS			
04/16/12	L55373-2	3.8	Salinity, Field	28.470	PSS			
04/16/12	L55370-7	15.1	Salinity, Field	28.823	PSS			
04/16/12	L55370-8	24.8	Salinity, Field	28.926	PSS			
04/16/12	L55370-9	34.7	Salinity, Field	29.154	PSS			
04/16/12	L55370-10	54.6	Salinity, Field	29.210	PSS			
04/16/12	L55370-11	99.2	Salinity, Field	29.263	PSS			
04/16/12	L55370-12	198	Salinity, Field	29.506	PSS			
04/16/12	L55370-13	198	Salinity, Field	29.506	PSS			
05/09/12	L55525-1	1.2	Salinity, Field	26.762	PSS			
05/09/12	L55525-2	3.5	Salinity, Field	26.902	PSS			
05/21/12	L55535-1	1.6	Salinity, Field	27.602	PSS			
05/21/12	L55534-6	1.6	Salinity, Field	27.602	PSS			
05/21/12	L55535-2	3.9	Salinity, Field	27.817	PSS			
05/21/12	L55534-7	15.1	Salinity, Field	28.568	PSS			
05/21/12	L55534-8	25	Salinity, Field	28.754	PSS			
05/21/12	L55534-9	34.8	Salinity, Field	28.812	PSS			
05/21/12	L55534-10	54.6	Salinity, Field	28.896	PSS			
05/21/12	L55534-11	99.3	Salinity, Field	29.161	PSS			
05/21/12	L55534-12	198	Salinity, Field	29.539	PSS			
05/21/12	L55534-13	198	Salinity, Field	29.539	PSS			
06/06/12	L55730-1	1.1	Salinity, Field	26.811	PSS			
06/06/12	L55730-2	3.5	Salinity, Field	27.160	PSS			
06/18/12	L55788-6	1.3	Salinity, Field	26.778	PSS			
06/18/12	L55791-1	1.3	Salinity, Field	26.778	PSS			
06/18/12	L55791-2	2.7	Salinity, Field	27.301	PSS			
06/18/12	L55788-7	15.1	Salinity, Field	28.763	PSS			
06/18/12	L55788-8	24.8	Salinity, Field	28.880	PSS			
06/18/12	L55788-9	34.8	Salinity, Field	29.006	PSS			
06/18/12	L55788-10	54.6	Salinity, Field	29.305	PSS			
06/18/12	L55788-11	99.1	Salinity, Field	29.475	PSS			
06/18/12	L55788-12	198	Salinity, Field	29.944	PSS			
06/18/12	L55788-13	198	Salinity, Field	29.945	PSS			
07/03/12	L55889-1	1.3	Salinity, Field	26.277	PSS			
07/03/12	L55889-2	2.6	Salinity, Field	26.669	PSS			
07/16/12	L55944-6	1.3	Salinity, Field	27.861	PSS			
07/16/12	L55946-1	1.3	Salinity, Field	27.861	PSS			
07/16/12	L55946-2	2.8	Salinity, Field	27.861	PSS			
07/16/12	L55944-7	15	Salinity, Field	28.348	PSS			
07/16/12	L55944-8	24.3	Salinity, Field	28.947	PSS			
07/16/12	L55944-9	24.9	Salinity, Field	28.954	PSS			
07/16/12	L55944-10	34.9	Salinity, Field	29.052	PSS			
07/16/12	L55944-11	54.6	Salinity, Field	29.464	PSS			
07/16/12	L55944-12	99.2	Salinity, Field	29.692	PSS			
07/16/12	L55944-13	198	Salinity, Field	30.000	PSS			

Table A-1

Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/30/12	L56062-1	4.8	Salinity, Field	28.804	PSS			
07/30/12	L56062-2	49.4	Salinity, Field	29.353	PSS			
07/30/12	L56062-3	198	Salinity, Field	29.965	PSS			
08/08/12	L56173-1	1.1	Salinity, Field	28.982	PSS			
08/08/12	L56173-2	2.6	Salinity, Field	29.013	PSS			
08/20/12	L56174-1	1.2	Salinity, Field	28.873	PSS			
08/20/12	L56238-6	1.2	Salinity, Field	28.873	PSS			
08/20/12	L56174-2	5.6	Salinity, Field	28.896	PSS			
08/20/12	L56238-7	15	Salinity, Field	29.209	PSS			
08/20/12	L56238-8	24.8	Salinity, Field	29.348	PSS			
08/20/12	L56238-9	34.7	Salinity, Field	29.559	PSS			
08/20/12	L56238-10	54.6	Salinity, Field	29.664	PSS			
08/20/12	L56238-11	99.2	Salinity, Field	29.836	PSS			
08/20/12	L56238-12	198	Salinity, Field	29.970	PSS			
08/20/12	L56238-13	198	Salinity, Field	29.979	PSS			
09/05/12	L56391-1	1	Salinity, Field	29.482	PSS			
09/05/12	L56391-2	2.4	Salinity, Field	29.471	PSS			
09/17/12	L56394-6	0.99	Salinity, Field	29.521	PSS			
09/17/12	L56393-1	0.99	Salinity, Field	29.521	PSS			
09/17/12	L56393-2	3.5	Salinity, Field	29.522	PSS			
09/17/12	L56394-7	15	Salinity, Field	29.722	PSS			
09/17/12	L56394-8	24.9	Salinity, Field	29.923	PSS			
09/17/12	L56394-9	34.7	Salinity, Field	29.983	PSS			
09/17/12	L56394-10	54.2	Salinity, Field	30.069	PSS			
09/17/12	L56394-11	99.2	Salinity, Field	30.096	PSS			
09/17/12	L56394-12	198	Salinity, Field	30.428	PSS			
09/17/12	L56394-13	198	Salinity, Field	30.431	PSS			
10/03/12	L56648-1	0.95	Salinity, Field	29.951	PSS			
10/03/12	L56648-2	7.7	Salinity, Field	29.951	PSS			
10/16/12	L56533-6	1.3	Salinity, Field	30.091	PSS			
10/16/12	L56533-7	15.1	Salinity, Field	30.128	PSS			
10/16/12	L56533-8	25.1	Salinity, Field	30.210	PSS			
10/16/12	L56533-9	35.1	Salinity, Field	30.233	PSS			
10/16/12	L56533-10	54.9	Salinity, Field	30.400	PSS			
10/16/12	L56533-11	99.3	Salinity, Field	30.469	PSS			
10/16/12	L56533-12	198	Salinity, Field	30.719	PSS			
10/16/12	L56533-13	199	Salinity, Field	30.719	PSS			
10/18/12	L56781-1	1.3	Salinity, Field	30.163	PSS			
10/18/12	L56781-2	5.7	Salinity, Field	30.166	PSS			
11/26/12	L56803-6	0.61	Salinity, Field	26.647	PSS			
11/26/12	L56803-7	14.5	Salinity, Field	29.331	PSS			
11/26/12	L56803-8	24.4	Salinity, Field	29.724	PSS			
11/26/12	L56803-9	34.2	Salinity, Field	29.866	PSS			
11/26/12	L56803-10	54.1	Salinity, Field	29.933	PSS			
11/26/12	L56803-11	98.6	Salinity, Field	30.177	PSS			
11/26/12	L56803-12	198	Salinity, Field	30.246	PSS			
11/26/12	L56803-13	198	Salinity, Field	30.246	PSS			
12/12/12	L56990-1	4.9	Salinity, Field	28.567	PSS			
12/12/12	L56990-2	49.3	Salinity, Field	29.441	PSS			
12/12/12	L56990-3	198	Salinity, Field	29.943	PSS			
12/18/12	L57085-6	0.45	Salinity, Field	29.420	PSS			
12/18/12	L57085-7	14.4	Salinity, Field	29.437	PSS			

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/18/12	L57085-8	24.2	Salinity, Field	29.438	PSS			
12/18/12	L57085-9	34	Salinity, Field	29.448	PSS			
12/18/12	L57085-10	53.8	Salinity, Field	29.503	PSS			
12/18/12	L57085-11	98.6	Salinity, Field	29.507	PSS			
12/18/12	L57085-12	197	Salinity, Field	29.867	PSS			
12/18/12	L57085-13	198	Salinity, Field	29.871	PSS			
07/14/11	L53626-1	4.7	Arsenic, Dissolved, ICP-MS	1.15	ug/L		0.01	0.05
07/14/11	L53626-2	49.3	Arsenic, Dissolved, ICP-MS	1.26	ug/L		0.01	0.05
07/14/11	L53626-3	198	Arsenic, Dissolved, ICP-MS	1.32	ug/L		0.01	0.05
12/14/11	L54765-1	4.9	Arsenic, Dissolved, ICP-MS	1.36	ug/L		0.01	0.05
12/14/11	L54765-2	49.5	Arsenic, Dissolved, ICP-MS	1.37	ug/L		0.01	0.05
12/14/11	L54765-3	198	Arsenic, Dissolved, ICP-MS	1.39	ug/L		0.01	0.05
07/30/12	L56062-1	4.8	Arsenic, Dissolved, ICP-MS	1.15	ug/L		0.01	0.05
07/30/12	L56062-2	49.4	Arsenic, Dissolved, ICP-MS	1.35	ug/L		0.01	0.05
07/30/12	L56062-3	198	Arsenic, Dissolved, ICP-MS	1.39	ug/L		0.01	0.05
12/12/12	L56990-1	4.9	Arsenic, Dissolved, ICP-MS	1.37	ug/L		0.01	0.05
12/12/12	L56990-2	49.3	Arsenic, Dissolved, ICP-MS	1.38	ug/L		0.01	0.05
12/12/12	L56990-3	198	Arsenic, Dissolved, ICP-MS	1.43	ug/L		0.01	0.05
07/14/11	L53626-1	4.7	Arsenic, Total, ICP-MS	1.11	ug/L		0.01	0.05
07/14/11	L53626-2	49.3	Arsenic, Total, ICP-MS	1.13	ug/L		0.01	0.05
07/14/11	L53626-3	198	Arsenic, Total, ICP-MS	1.33	ug/L		0.01	0.05
12/14/11	L54765-1	4.9	Arsenic, Total, ICP-MS	1.34	ug/L		0.01	0.05
12/14/11	L54765-2	49.5	Arsenic, Total, ICP-MS	1.31	ug/L		0.01	0.05
12/14/11	L54765-3	198	Arsenic, Total, ICP-MS	1.32	ug/L		0.01	0.05
07/30/12	L56062-1	4.8	Arsenic, Total, ICP-MS	1.14	ug/L		0.01	0.05
07/30/12	L56062-2	49.4	Arsenic, Total, ICP-MS	1.31	ug/L		0.01	0.05
07/30/12	L56062-3	198	Arsenic, Total, ICP-MS	1.36	ug/L		0.01	0.05
12/12/12	L56990-1	4.9	Arsenic, Total, ICP-MS	1.34	ug/L		0.01	0.05
12/12/12	L56990-2	49.3	Arsenic, Total, ICP-MS	1.36	ug/L		0.01	0.05
12/12/12	L56990-3	198	Arsenic, Total, ICP-MS	1.41	ug/L		0.01	0.05
07/14/11	L53626-1	4.7	Cadmium, Dissolved, ICP-MS	0.0566	ug/L		0.005	0.025
07/14/11	L53626-2	49.3	Cadmium, Dissolved, ICP-MS	0.0605	ug/L		0.005	0.025
07/14/11	L53626-3	198	Cadmium, Dissolved, ICP-MS	0.0660	ug/L		0.005	0.025
12/14/11	L54765-1	4.9	Cadmium, Dissolved, ICP-MS	0.0692	ug/L		0.005	0.025
12/14/11	L54765-2	49.5	Cadmium, Dissolved, ICP-MS	0.0732	ug/L		0.005	0.025
12/14/11	L54765-3	198	Cadmium, Dissolved, ICP-MS	0.0704	ug/L		0.005	0.025
07/30/12	L56062-1	4.8	Cadmium, Dissolved, ICP-MS	0.0520	ug/L		0.005	0.025
07/30/12	L56062-2	49.4	Cadmium, Dissolved, ICP-MS	0.0651	ug/L		0.005	0.025
07/30/12	L56062-3	198	Cadmium, Dissolved, ICP-MS	0.0704	ug/L		0.005	0.025
12/12/12	L56990-1	4.9	Cadmium, Dissolved, ICP-MS	0.0693	ug/L		0.005	0.025
12/12/12	L56990-2	49.3	Cadmium, Dissolved, ICP-MS	0.0709	ug/L		0.005	0.025
12/12/12	L56990-3	198	Cadmium, Dissolved, ICP-MS	0.0734	ug/L		0.005	0.025
07/14/11	L53626-1	4.7	Cadmium, Total, ICP-MS	0.0636	ug/L		0.005	0.025
07/14/11	L53626-2	49.3	Cadmium, Total, ICP-MS	0.0668	ug/L		0.005	0.025
07/14/11	L53626-3	198	Cadmium, Total, ICP-MS	0.0721	ug/L		0.005	0.025
12/14/11	L54765-1	4.9	Cadmium, Total, ICP-MS	0.0693	ug/L		0.005	0.025
12/14/11	L54765-2	49.5	Cadmium, Total, ICP-MS	0.0709	ug/L		0.005	0.025
12/14/11	L54765-3	198	Cadmium, Total, ICP-MS	0.0700	ug/L		0.005	0.025
07/30/12	L56062-1	4.8	Cadmium, Total, ICP-MS	0.0698	ug/L		0.005	0.025
07/30/12	L56062-2	49.4	Cadmium, Total, ICP-MS	0.0812	ug/L		0.005	0.025
07/30/12	L56062-3	198	Cadmium, Total, ICP-MS	0.0864	ug/L		0.005	0.025
12/12/12	L56990-1	4.9	Cadmium, Total, ICP-MS	0.074	ug/L		0.005	0.025

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/12/12	L56990-2	49.3	Cadmium, Total, ICP-MS	0.0745	ug/L		0.005	0.025
12/12/12	L56990-3	198	Cadmium, Total, ICP-MS	0.0792	ug/L		0.005	0.025
07/14/11	L53626-1	4.7	Chromium, Dissolved, ICP-MS	0.099	ug/L	<RDL	0.05	0.25
07/14/11	L53626-2	49.3	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
07/14/11	L53626-3	198	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/14/11	L54765-1	4.9	Chromium, Dissolved, ICP-MS	0.093	ug/L	<RDL	0.05	0.25
12/14/11	L54765-2	49.5	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/14/11	L54765-3	198	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
07/30/12	L56062-1	4.8	Chromium, Dissolved, ICP-MS	0.15	ug/L	<RDL	0.05	0.25
07/30/12	L56062-2	49.4	Chromium, Dissolved, ICP-MS	0.13	ug/L	<RDL	0.05	0.25
07/30/12	L56062-3	198	Chromium, Dissolved, ICP-MS	0.15	ug/L	<RDL	0.05	0.25
12/12/12	L56990-1	4.9	Chromium, Dissolved, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
12/12/12	L56990-2	49.3	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/12/12	L56990-3	198	Chromium, Dissolved, ICP-MS	0.092	ug/L	<RDL	0.05	0.25
07/14/11	L53626-1	4.7	Chromium, Total, ICP-MS	0.088	ug/L	<RDL	0.05	0.25
07/14/11	L53626-2	49.3	Chromium, Total, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
07/14/11	L53626-3	198	Chromium, Total, ICP-MS	0.16	ug/L	<RDL	0.05	0.25
12/14/11	L54765-1	4.9	Chromium, Total, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
12/14/11	L54765-2	49.5	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/14/11	L54765-3	198	Chromium, Total, ICP-MS	0.12	ug/L	<RDL	0.05	0.25
07/30/12	L56062-1	4.8	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
07/30/12	L56062-2	49.4	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
07/30/12	L56062-3	198	Chromium, Total, ICP-MS	0.19	ug/L	<RDL	0.05	0.25
12/12/12	L56990-1	4.9	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/12/12	L56990-2	49.3	Chromium, Total, ICP-MS	0.096	ug/L	<RDL	0.05	0.25
12/12/12	L56990-3	198	Chromium, Total, ICP-MS	0.15	ug/L	<RDL	0.05	0.25
07/14/11	L53626-1	4.7	Copper, Dissolved, ICP-MS	0.348	ug/L		0.025	0.125
07/14/11	L53626-2	49.3	Copper, Dissolved, ICP-MS	0.332	ug/L		0.025	0.125
07/14/11	L53626-3	198	Copper, Dissolved, ICP-MS	0.236	ug/L		0.025	0.125
12/14/11	L54765-1	4.9	Copper, Dissolved, ICP-MS	0.617	ug/L		0.025	0.125
12/14/11	L54765-2	49.5	Copper, Dissolved, ICP-MS	0.332	ug/L		0.025	0.125
12/14/11	L54765-3	198	Copper, Dissolved, ICP-MS	0.279	ug/L		0.025	0.125
07/30/12	L56062-1	4.8	Copper, Dissolved, ICP-MS	0.365	ug/L		0.025	0.125
07/30/12	L56062-2	49.4	Copper, Dissolved, ICP-MS	0.283	ug/L		0.025	0.125
07/30/12	L56062-3	198	Copper, Dissolved, ICP-MS	0.234	ug/L		0.025	0.125
12/12/12	L56990-1	4.9	Copper, Dissolved, ICP-MS	0.346	ug/L		0.025	0.125
12/12/12	L56990-2	49.3	Copper, Dissolved, ICP-MS	0.258	ug/L		0.025	0.125
12/12/12	L56990-3	198	Copper, Dissolved, ICP-MS	0.238	ug/L		0.025	0.125
07/14/11	L53626-1	4.7	Copper, Total, ICP-MS	0.377	ug/L		0.025	0.125
07/14/11	L53626-2	49.3	Copper, Total, ICP-MS	0.366	ug/L		0.025	0.125
07/14/11	L53626-3	198	Copper, Total, ICP-MS	0.412	ug/L		0.025	0.125
12/14/11	L54765-1	4.9	Copper, Total, ICP-MS	1.22	ug/L		0.025	0.125
12/14/11	L54765-2	49.5	Copper, Total, ICP-MS	0.367	ug/L		0.025	0.125
12/14/11	L54765-3	198	Copper, Total, ICP-MS	0.322	ug/L		0.025	0.125
07/30/12	L56062-1	4.8	Copper, Total, ICP-MS	0.390	ug/L		0.025	0.125
07/30/12	L56062-2	49.4	Copper, Total, ICP-MS	0.314	ug/L		0.025	0.125
07/30/12	L56062-3	198	Copper, Total, ICP-MS	0.395	ug/L		0.025	0.125
12/12/12	L56990-1	4.9	Copper, Total, ICP-MS	0.392	ug/L		0.025	0.125
12/12/12	L56990-2	49.3	Copper, Total, ICP-MS	0.315	ug/L		0.025	0.125
12/12/12	L56990-3	198	Copper, Total, ICP-MS	0.369	ug/L		0.025	0.125
07/14/11	L53626-1	4.7	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/14/11	L53626-2	49.3	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/14/11	L53626-3	198	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54765-1	4.9	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54765-2	49.5	Lead, Dissolved, ICP-MS	0.010	ug/L	<RDL	0.005	0.025
12/14/11	L54765-3	198	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/30/12	L56062-1	4.8	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/30/12	L56062-2	49.4	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/30/12	L56062-3	198	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-1	4.9	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-2	49.3	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-3	198	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/14/11	L53626-1	4.7	Lead, Total, ICP-MS	0.0091	ug/L	<RDL	0.005	0.025
07/14/11	L53626-2	49.3	Lead, Total, ICP-MS	0.0068	ug/L	<RDL	0.005	0.025
07/14/11	L53626-3	198	Lead, Total, ICP-MS	0.0444	ug/L		0.005	0.025
12/14/11	L54765-1	4.9	Lead, Total, ICP-MS	0.019	ug/L	<RDL	0.005	0.025
12/14/11	L54765-2	49.5	Lead, Total, ICP-MS	0.011	ug/L	<RDL	0.005	0.025
12/14/11	L54765-3	198	Lead, Total, ICP-MS	0.013	ug/L	<RDL	0.005	0.025
07/30/12	L56062-1	4.8	Lead, Total, ICP-MS	0.0098	ug/L	<RDL	0.005	0.025
07/30/12	L56062-2	49.4	Lead, Total, ICP-MS	0.0098	ug/L	<RDL	0.005	0.025
07/30/12	L56062-3	198	Lead, Total, ICP-MS	0.0408	ug/L		0.005	0.025
12/12/12	L56990-1	4.9	Lead, Total, ICP-MS	0.017	ug/L	<RDL	0.005	0.025
12/12/12	L56990-2	49.3	Lead, Total, ICP-MS	0.014	ug/L	<RDL	0.005	0.025
12/12/12	L56990-3	198	Lead, Total, ICP-MS	0.0460	ug/L		0.005	0.025
07/14/11	L53626-1	4.7	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/14/11	L53626-2	49.3	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/14/11	L53626-3	198	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-1	4.9	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-2	49.5	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-3	198	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-1	4.8	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-2	49.4	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-3	198	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-1	4.9	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-2	49.3	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-3	198	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/14/11	L53626-1	4.7	Mercury, Total, CVAF	0.00039	ug/L	<RDL	0.0002	0.0005
07/14/11	L53626-2	49.3	Mercury, Total, CVAF	0.00025	ug/L	<RDL	0.0002	0.0005
07/14/11	L53626-3	198	Mercury, Total, CVAF	0.00049	ug/L	<RDL	0.0002	0.0005
12/14/11	L54765-1	4.9	Mercury, Total, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-2	49.5	Mercury, Total, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-3	198	Mercury, Total, CVAF	0.00020	ug/L	<RDL	0.0002	0.0005
07/30/12	L56062-1	4.8	Mercury, Total, CVAF	0.00021	ug/L	<RDL	0.0002	0.0005
07/30/12	L56062-2	49.4	Mercury, Total, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-3	198	Mercury, Total, CVAF	0.00033	ug/L	<RDL	0.0002	0.0005
12/12/12	L56990-1	4.9	Mercury, Total, CVAF	0.00034	ug/L	<RDL	0.0002	0.0005
12/12/12	L56990-2	49.3	Mercury, Total, CVAF	0.00026	ug/L	<RDL	0.0002	0.0005
12/12/12	L56990-3	198	Mercury, Total, CVAF	0.00055	ug/L		0.0002	0.0005
07/14/11	L53626-1	4.7	Nickel, Dissolved, ICP-MS	0.405	ug/L		0.025	0.125
07/14/11	L53626-2	49.3	Nickel, Dissolved, ICP-MS	0.398	ug/L		0.025	0.125
07/14/11	L53626-3	198	Nickel, Dissolved, ICP-MS	0.395	ug/L		0.025	0.125
12/14/11	L54765-1	4.9	Nickel, Dissolved, ICP-MS	0.415	ug/L		0.025	0.125
12/14/11	L54765-2	49.5	Nickel, Dissolved, ICP-MS	0.419	ug/L		0.025	0.125
12/14/11	L54765-3	198	Nickel, Dissolved, ICP-MS	0.408	ug/L		0.025	0.125

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Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/30/12	L56062-1	4.8	Nickel, Dissolved, ICP-MS	0.387	ug/L		0.025	0.125
07/30/12	L56062-2	49.4	Nickel, Dissolved, ICP-MS	0.399	ug/L		0.025	0.125
07/30/12	L56062-3	198	Nickel, Dissolved, ICP-MS	0.391	ug/L		0.025	0.125
12/12/12	L56990-1	4.9	Nickel, Dissolved, ICP-MS	0.443	ug/L		0.025	0.125
12/12/12	L56990-2	49.3	Nickel, Dissolved, ICP-MS	0.414	ug/L		0.025	0.125
12/12/12	L56990-3	198	Nickel, Dissolved, ICP-MS	0.425	ug/L		0.025	0.125
07/14/11	L53626-1	4.7	Nickel, Total, ICP-MS	0.421	ug/L		0.025	0.125
07/14/11	L53626-2	49.3	Nickel, Total, ICP-MS	0.420	ug/L		0.025	0.125
07/14/11	L53626-3	198	Nickel, Total, ICP-MS	0.593	ug/L		0.025	0.125
12/14/11	L54765-1	4.9	Nickel, Total, ICP-MS	0.424	ug/L		0.025	0.125
12/14/11	L54765-2	49.5	Nickel, Total, ICP-MS	0.425	ug/L		0.025	0.125
12/14/11	L54765-3	198	Nickel, Total, ICP-MS	0.437	ug/L		0.025	0.125
07/30/12	L56062-1	4.8	Nickel, Total, ICP-MS	0.412	ug/L		0.025	0.125
07/30/12	L56062-2	49.4	Nickel, Total, ICP-MS	0.417	ug/L		0.025	0.125
07/30/12	L56062-3	198	Nickel, Total, ICP-MS	0.428	ug/L		0.025	0.125
12/12/12	L56990-1	4.9	Nickel, Total, ICP-MS	0.434	ug/L		0.025	0.125
12/12/12	L56990-2	49.3	Nickel, Total, ICP-MS	0.414	ug/L		0.025	0.125
12/12/12	L56990-3	198	Nickel, Total, ICP-MS	0.400	ug/L		0.025	0.125
07/14/11	L53626-1	4.7	Silver, Dissolved, ICP-MS	0.019	ug/L	<RDL	0.01	0.05
07/14/11	L53626-2	49.3	Silver, Dissolved, ICP-MS	0.019	ug/L	<RDL	0.01	0.05
07/14/11	L53626-3	198	Silver, Dissolved, ICP-MS	0.019	ug/L	<RDL	0.01	0.05
12/14/11	L54765-1	4.9	Silver, Dissolved, ICP-MS	0.027	ug/L	<RDL	0.01	0.05
12/14/11	L54765-2	49.5	Silver, Dissolved, ICP-MS	0.027	ug/L	<RDL	0.01	0.05
12/14/11	L54765-3	198	Silver, Dissolved, ICP-MS	0.029	ug/L	<RDL	0.01	0.05
07/30/12	L56062-1	4.8	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-2	49.4	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-3	198	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-1	4.9	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-2	49.3	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-3	198	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/14/11	L53626-1	4.7	Silver, Total, ICP-MS	0.016	ug/L	<RDL	0.01	0.05
07/14/11	L53626-2	49.3	Silver, Total, ICP-MS	0.017	ug/L	<RDL	0.01	0.05
07/14/11	L53626-3	198	Silver, Total, ICP-MS	0.017	ug/L	<RDL	0.01	0.05
12/14/11	L54765-1	4.9	Silver, Total, ICP-MS	0.028	ug/L	<RDL	0.01	0.05
12/14/11	L54765-2	49.5	Silver, Total, ICP-MS	0.030	ug/L	<RDL	0.01	0.05
12/14/11	L54765-3	198	Silver, Total, ICP-MS	0.026	ug/L	<RDL	0.01	0.05
07/30/12	L56062-1	4.8	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-2	49.4	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-3	198	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-1	4.9	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-2	49.3	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-3	198	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/14/11	L53626-1	4.7	Zinc, Dissolved, ICP-MS	0.635	ug/L		0.1	0.5
07/14/11	L53626-2	49.3	Zinc, Dissolved, ICP-MS	0.628	ug/L		0.1	0.5
07/14/11	L53626-3	198	Zinc, Dissolved, ICP-MS	0.644	ug/L		0.1	0.5
12/14/11	L54765-1	4.9	Zinc, Dissolved, ICP-MS	0.536	ug/L		0.1	0.5
12/14/11	L54765-2	49.5	Zinc, Dissolved, ICP-MS	0.694	ug/L		0.1	0.5
12/14/11	L54765-3	198	Zinc, Dissolved, ICP-MS	0.32	ug/L	<RDL	0.1	0.5
07/30/12	L56062-1	4.8	Zinc, Dissolved, ICP-MS	0.17	ug/L	<RDL	0.1	0.5
07/30/12	L56062-2	49.4	Zinc, Dissolved, ICP-MS	0.26	ug/L	<RDL	0.1	0.5
07/30/12	L56062-3	198	Zinc, Dissolved, ICP-MS	0.23	ug/L	<RDL	0.1	0.5
12/12/12	L56990-1	4.9	Zinc, Dissolved, ICP-MS	0.503	ug/L		0.1	0.5

Table A-1

Complete Water Quality Monitoring Data for Station KSBP01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/12/12	L56990-2	49.3	Zinc, Dissolved, ICP-MS	0.33	ug/L	<RDL	0.1	0.5
12/12/12	L56990-3	198	Zinc, Dissolved, ICP-MS	0.31	ug/L	<RDL	0.1	0.5
07/14/11	L53626-1	4.7	Zinc, Total, ICP-MS	0.89	ug/L	<RDL	0.5	2.5
07/14/11	L53626-2	49.3	Zinc, Total, ICP-MS	0.519	ug/L		0.1	0.5
07/14/11	L53626-3	198	Zinc, Total, ICP-MS	0.700	ug/L		0.1	0.5
12/14/11	L54765-1	4.9	Zinc, Total, ICP-MS	0.539	ug/L		0.1	0.5
12/14/11	L54765-2	49.5	Zinc, Total, ICP-MS	0.41	ug/L	<RDL	0.1	0.5
12/14/11	L54765-3	198	Zinc, Total, ICP-MS	0.37	ug/L	<RDL	0.1	0.5
07/30/12	L56062-1	4.8	Zinc, Total, ICP-MS	0.46	ug/L	<RDL	0.1	0.5
07/30/12	L56062-2	49.4	Zinc, Total, ICP-MS	0.45	ug/L	<RDL	0.1	0.5
07/30/12	L56062-3	198	Zinc, Total, ICP-MS	0.553	ug/L		0.1	0.5
12/12/12	L56990-1	4.9	Zinc, Total, ICP-MS	0.49	ug/L	<RDL	0.1	0.5
12/12/12	L56990-2	49.3	Zinc, Total, ICP-MS	0.33	ug/L	<RDL	0.1	0.5
12/12/12	L56990-3	198	Zinc, Total, ICP-MS	0.45	ug/L	<RDL	0.1	0.5

Notes

Depth (m) - Depth below the water's surface (in meters) from which the sample was collected.
MDL - Method detection limit; the limit of reliable *detection* .
RDL - Reporting detection limit; the limit of reliable *quantitation* (PQL).
<MDL - Analyte was not detected
<RDL - Analyte was detected at a concentration less than the RDL.
CFU/100 ml - Colony forming units per 100 milliliters.
deg C - Degrees Celcius.
mg/L - Milligrams per liter.
PSS - Practical Salinity Scale.
ug/L - Micrograms per liter.
JL - Analytical result is an estimate with a probable high bias.

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
01/19/11	L52444-14	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
02/23/11	L52544-14	1.3	Fecal Coliform	1	CFU/100ml		1	
03/22/11	L52735-14	1.4	Fecal Coliform	1	CFU/100ml		1	
04/19/11	L52887-14	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
05/17/11	L53210-14	1.4	Fecal Coliform		CFU/100ml	<MDL	1	
06/21/11	L53334-14	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
07/19/11	L53547-14	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
08/16/11	L53893-14	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
09/20/11	L54027-14	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
10/18/11	L54273-14	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
11/29/11	L54479-14	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
12/20/11	L54810-14	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
01/26/12	L54843-14	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
02/23/12	L55090-14	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
03/22/12	L55196-14	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
04/17/12	L55374-14	1.5	Fecal Coliform		CFU/100ml	<MDL	1	
05/22/12	L55538-14	1.4	Fecal Coliform		CFU/100ml	<MDL	1	
06/19/12	L55792-14	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
07/17/12	L55945-14	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
08/21/12	L56172-14	1.3	Fecal Coliform		CFU/100ml	<MDL	1	
09/18/12	L56392-14	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
10/18/12	L56639-14	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
11/27/12	L56806-14	0.78	Fecal Coliform		CFU/100ml	<MDL	1	
12/27/12	L57088-14	1	Fecal Coliform		CFU/100ml	<MDL	1	
01/19/11	L52444-14	1.3	Sample Temperature, Field	8.5392	deg C			
01/19/11	L52444-15	15.2	Sample Temperature, Field	8.6886	deg C			
01/19/11	L52444-16	25.1	Sample Temperature, Field	8.7080	deg C			
01/19/11	L52444-17	34.9	Sample Temperature, Field	8.7279	deg C			
01/19/11	L52444-18	54.8	Sample Temperature, Field	8.7369	deg C			
01/19/11	L52444-19	99.4	Sample Temperature, Field	8.5919	deg C			
01/19/11	L52444-20	198	Sample Temperature, Field	8.3591	deg C			
01/19/11	L52444-21	198	Sample Temperature, Field	8.3583	deg C			
02/23/11	L52544-14	1.3	Sample Temperature, Field	8.0417	deg C			
02/23/11	L52544-15	15	Sample Temperature, Field	8.0688	deg C			
02/23/11	L52544-16	24.9	Sample Temperature, Field	8.1242	deg C			
02/23/11	L52544-17	34.7	Sample Temperature, Field	8.1269	deg C			
02/23/11	L52544-18	54.8	Sample Temperature, Field	8.1271	deg C			
02/23/11	L52544-19	99.3	Sample Temperature, Field	8.1238	deg C			
02/23/11	L52544-20	178	Sample Temperature, Field	8.0664	deg C			
02/23/11	L52544-21	178	Sample Temperature, Field	8.0664	deg C			
03/22/11	L52735-14	1.4	Sample Temperature, Field	7.7744	deg C			
03/22/11	L52735-15	15.3	Sample Temperature, Field	7.7127	deg C			
03/22/11	L52735-16	25.2	Sample Temperature, Field	7.7201	deg C			
03/22/11	L52735-17	35.1	Sample Temperature, Field	7.7171	deg C			
03/22/11	L52735-18	54.9	Sample Temperature, Field	7.6966	deg C			
03/22/11	L52735-19	99.6	Sample Temperature, Field	7.6340	deg C			
03/22/11	L52735-20	178	Sample Temperature, Field	7.5650	deg C			
03/22/11	L52735-21	179	Sample Temperature, Field	7.5648	deg C			
04/19/11	L52887-14	1.3	Sample Temperature, Field	8.3505	deg C			
04/19/11	L52887-15	15.1	Sample Temperature, Field	8.1180	deg C			
04/19/11	L52887-16	24.9	Sample Temperature, Field	8.0840	deg C			
04/19/11	L52887-17	35	Sample Temperature, Field	8.0659	deg C			
04/19/11	L52887-18	54.8	Sample Temperature, Field	8.0485	deg C			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
04/19/11	L52887-19	99.2	Sample Temperature, Field	7.8867	deg C			
04/19/11	L52887-20	178	Sample Temperature, Field	7.7931	deg C			
04/19/11	L52887-21	179	Sample Temperature, Field	7.7932	deg C			
05/17/11	L53210-14	1.4	Sample Temperature, Field	9.3560	deg C			
05/17/11	L53210-15	15.2	Sample Temperature, Field	8.9641	deg C			
05/17/11	L53210-16	25.1	Sample Temperature, Field	8.7714	deg C			
05/17/11	L53210-17	35	Sample Temperature, Field	8.6841	deg C			
05/17/11	L53210-18	54.8	Sample Temperature, Field	8.6575	deg C			
05/17/11	L53210-19	99.4	Sample Temperature, Field	8.5045	deg C			
05/17/11	L53210-20	178	Sample Temperature, Field	8.5917	deg C			
05/17/11	L53210-21	179	Sample Temperature, Field	8.5917	deg C			
06/21/11	L53334-14	1.3	Sample Temperature, Field	10.7048	deg C			
06/21/11	L53334-15	15.2	Sample Temperature, Field	10.4069	deg C			
06/21/11	L53334-16	25.1	Sample Temperature, Field	10.2013	deg C			
06/21/11	L53334-17	35	Sample Temperature, Field	10.1603	deg C			
06/21/11	L53334-18	54.7	Sample Temperature, Field	9.8579	deg C			
06/21/11	L53334-19	99.5	Sample Temperature, Field	9.4725	deg C			
06/21/11	L53334-20	179	Sample Temperature, Field	9.1510	deg C			
06/21/11	L53334-21	179	Sample Temperature, Field	9.1499	deg C			
07/14/11	L53626-7	5.2	Sample Temperature, Field	11.7513	deg C			
07/14/11	L53626-8	49.8	Sample Temperature, Field	11.1343	deg C			
07/14/11	L53626-9	158	Sample Temperature, Field	9.8710	deg C			
07/14/11	L53626-10	159	Sample Temperature, Field	9.8695	deg C			
07/19/11	L53547-14	1.2	Sample Temperature, Field	11.4126	deg C			
07/19/11	L53547-15	15.1	Sample Temperature, Field	11.2649	deg C			
07/19/11	L53547-16	24.9	Sample Temperature, Field	11.1705	deg C			
07/19/11	L53547-17	34.9	Sample Temperature, Field	11.0739	deg C			
07/19/11	L53547-18	54.6	Sample Temperature, Field	10.6928	deg C			
07/19/11	L53547-19	99.3	Sample Temperature, Field	10.1979	deg C			
07/19/11	L53547-20	178	Sample Temperature, Field	9.9005	deg C			
07/19/11	L53547-21	179	Sample Temperature, Field	9.8999	deg C			
08/16/11	L53893-14	1.3	Sample Temperature, Field	12.2887	deg C			
08/16/11	L53893-15	15.1	Sample Temperature, Field	12.1325	deg C			
08/16/11	L53893-16	25	Sample Temperature, Field	11.9403	deg C			
08/16/11	L53893-17	35	Sample Temperature, Field	11.8729	deg C			
08/16/11	L53893-18	54.8	Sample Temperature, Field	11.6138	deg C			
08/16/11	L53893-19	99.3	Sample Temperature, Field	10.8318	deg C			
08/16/11	L53893-20	179	Sample Temperature, Field	10.6192	deg C			
08/16/11	L53893-21	179	Sample Temperature, Field	10.6198	deg C			
09/20/11	L54027-14	1.3	Sample Temperature, Field	12.2917	deg C			
09/20/11	L54027-15	15.1	Sample Temperature, Field	12.1066	deg C			
09/20/11	L54027-16	25.1	Sample Temperature, Field	11.9677	deg C			
09/20/11	L54027-17	35	Sample Temperature, Field	11.6288	deg C			
09/20/11	L54027-18	54.7	Sample Temperature, Field	11.4934	deg C			
09/20/11	L54027-19	99.2	Sample Temperature, Field	11.3529	deg C			
09/20/11	L54027-20	178	Sample Temperature, Field	11.3496	deg C			
09/20/11	L54027-21	179	Sample Temperature, Field	11.3496	deg C			
10/18/11	L54273-14	1.3	Sample Temperature, Field	11.7209	deg C			
10/18/11	L54273-15	14.6	Sample Temperature, Field	11.7581	deg C			
10/18/11	L54273-16	25	Sample Temperature, Field	11.7017	deg C			
10/18/11	L54273-17	34.6	Sample Temperature, Field	11.6559	deg C			
10/18/11	L54273-18	54.6	Sample Temperature, Field	11.4702	deg C			
10/18/11	L54273-19	99.4	Sample Temperature, Field	11.2110	deg C			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
10/18/11	L54273-20	178	Sample Temperature, Field	11.2127	deg C			
10/18/11	L54273-21	178	Sample Temperature, Field	11.2123	deg C			
11/29/11	L54479-14	1.2	Sample Temperature, Field	10.1208	deg C			
11/29/11	L54479-15	15	Sample Temperature, Field	10.1248	deg C			
11/29/11	L54479-16	24.8	Sample Temperature, Field	10.1407	deg C			
11/29/11	L54479-17	34.7	Sample Temperature, Field	10.0552	deg C			
11/29/11	L54479-18	54.7	Sample Temperature, Field	9.9856	deg C			
11/29/11	L54479-19	99.1	Sample Temperature, Field	9.8847	deg C			
11/29/11	L54479-20	178	Sample Temperature, Field	9.7977	deg C			
11/29/11	L54479-21	178	Sample Temperature, Field	9.7970	deg C			
12/14/11	L54765-7	5	Sample Temperature, Field	9.3079	deg C			
12/14/11	L54765-8	49.5	Sample Temperature, Field	9.6241	deg C			
12/14/11	L54765-9	158	Sample Temperature, Field	9.7567	deg C			
12/14/11	L54765-10	159	Sample Temperature, Field	9.7565	deg C			
12/20/11	L54810-14	1.2	Sample Temperature, Field	9.4762	deg C			
12/20/11	L54810-15	15.1	Sample Temperature, Field	9.4905	deg C			
12/20/11	L54810-16	24.9	Sample Temperature, Field	9.4952	deg C			
12/20/11	L54810-17	34.9	Sample Temperature, Field	9.4681	deg C			
12/20/11	L54810-18	54.6	Sample Temperature, Field	9.4356	deg C			
12/20/11	L54810-19	99.2	Sample Temperature, Field	9.0262	deg C			
12/20/11	L54810-20	178	Sample Temperature, Field	8.7757	deg C			
12/20/11	L54810-21	179	Sample Temperature, Field	8.7778	deg C			
01/26/12	L54843-14	1.2	Sample Temperature, Field	8.1873	deg C			
01/26/12	L54843-15	15.1	Sample Temperature, Field	8.2050	deg C			
01/26/12	L54843-16	24.9	Sample Temperature, Field	8.2104	deg C			
01/26/12	L54843-17	34.9	Sample Temperature, Field	8.1836	deg C			
01/26/12	L54843-18	54.6	Sample Temperature, Field	8.0287	deg C			
01/26/12	L54843-19	99.2	Sample Temperature, Field	7.9857	deg C			
01/26/12	L54843-20	178	Sample Temperature, Field	7.8575	deg C			
01/26/12	L54843-21	179	Sample Temperature, Field	7.8537	deg C			
02/23/12	L55090-14	1.2	Sample Temperature, Field	7.8176	deg C			
02/23/12	L55090-15	15.1	Sample Temperature, Field	7.8175	deg C			
02/23/12	L55090-16	24.9	Sample Temperature, Field	7.8178	deg C			
02/23/12	L55090-17	34.7	Sample Temperature, Field	7.8354	deg C			
02/23/12	L55090-18	54.4	Sample Temperature, Field	7.8186	deg C			
02/23/12	L55090-19	99	Sample Temperature, Field	7.7475	deg C			
02/23/12	L55090-20	178	Sample Temperature, Field	7.7085	deg C			
02/23/12	L55090-21	179	Sample Temperature, Field	7.7084	deg C			
03/22/12	L55196-14	1.3	Sample Temperature, Field	7.6020	deg C			
03/22/12	L55196-15	15.1	Sample Temperature, Field	7.5829	deg C			
03/22/12	L55196-16	25.1	Sample Temperature, Field	7.5803	deg C			
03/22/12	L55196-17	35	Sample Temperature, Field	7.5798	deg C			
03/22/12	L55196-18	54.6	Sample Temperature, Field	7.5870	deg C			
03/22/12	L55196-19	99.3	Sample Temperature, Field	7.5598	deg C			
03/22/12	L55196-20	178	Sample Temperature, Field	7.5061	deg C			
03/22/12	L55196-21	179	Sample Temperature, Field	7.5061	deg C			
04/17/12	L55374-14	1.5	Sample Temperature, Field	8.3201	deg C			
04/17/12	L55374-15	15.4	Sample Temperature, Field	8.1942	deg C			
04/17/12	L55374-16	25.2	Sample Temperature, Field	8.1138	deg C			
04/17/12	L55374-17	35.1	Sample Temperature, Field	8.0742	deg C			
04/17/12	L55374-18	54.8	Sample Temperature, Field	8.0131	deg C			
04/17/12	L55374-19	99.6	Sample Temperature, Field	7.8364	deg C			
04/17/12	L55374-20	179	Sample Temperature, Field	7.6362	deg C			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
04/17/12	L55374-21	179	Sample Temperature, Field	7.6362	deg C			
05/22/12	L55538-14	1.4	Sample Temperature, Field	10.0226	deg C			
05/22/12	L55538-15	15.3	Sample Temperature, Field	9.6803	deg C			
05/22/12	L55538-16	25.1	Sample Temperature, Field	9.5112	deg C			
05/22/12	L55538-17	35	Sample Temperature, Field	9.4181	deg C			
05/22/12	L55538-18	54.8	Sample Temperature, Field	9.2346	deg C			
05/22/12	L55538-19	99.5	Sample Temperature, Field	8.6976	deg C			
05/22/12	L55538-20	179	Sample Temperature, Field	8.6840	deg C			
05/22/12	L55538-21	179	Sample Temperature, Field	8.6829	deg C			
06/19/12	L55792-14	1.3	Sample Temperature, Field	11.3218	deg C			
06/19/12	L55792-15	15.2	Sample Temperature, Field	10.8193	deg C			
06/19/12	L55792-16	25.1	Sample Temperature, Field	10.5682	deg C			
06/19/12	L55792-17	34.9	Sample Temperature, Field	10.2442	deg C			
06/19/12	L55792-18	54.4	Sample Temperature, Field	9.9914	deg C			
06/19/12	L55792-19	99.3	Sample Temperature, Field	9.4047	deg C			
06/19/12	L55792-20	178	Sample Temperature, Field	9.5245	deg C			
06/19/12	L55792-21	179	Sample Temperature, Field	9.5240	deg C			
07/17/12	L55945-14	1.2	Sample Temperature, Field	12.2884	deg C			
07/17/12	L55945-15	15	Sample Temperature, Field	11.6177	deg C			
07/17/12	L55945-16	24.9	Sample Temperature, Field	11.2100	deg C			
07/17/12	L55945-17	35	Sample Temperature, Field	11.0948	deg C			
07/17/12	L55945-18	54.7	Sample Temperature, Field	10.9013	deg C			
07/17/12	L55945-19	99.3	Sample Temperature, Field	10.0400	deg C			
07/17/12	L55945-20	179	Sample Temperature, Field	9.9664	deg C			
07/17/12	L55945-21	179	Sample Temperature, Field	9.9671	deg C			
07/30/12	L56062-7	5	Sample Temperature, Field	12.3847	deg C			
07/30/12	L56062-8	49.4	Sample Temperature, Field	10.7781	deg C			
07/30/12	L56062-10	158	Sample Temperature, Field	10.1743	deg C			
07/30/12	L56062-9	158	Sample Temperature, Field	10.1746	deg C			
08/21/12	L56172-14	1.3	Sample Temperature, Field	12.7322	deg C			
08/21/12	L56172-15	15.1	Sample Temperature, Field	12.1793	deg C			
08/21/12	L56172-16	24.9	Sample Temperature, Field	12.1515	deg C			
08/21/12	L56172-17	34.8	Sample Temperature, Field	12.0914	deg C			
08/21/12	L56172-18	54.7	Sample Temperature, Field	11.6541	deg C			
08/21/12	L56172-19	99.2	Sample Temperature, Field	10.9226	deg C			
08/21/12	L56172-20	178	Sample Temperature, Field	10.8053	deg C			
08/21/12	L56172-21	179	Sample Temperature, Field	10.8055	deg C			
09/18/12	L56392-14	1.2	Sample Temperature, Field	12.4956	deg C			
09/18/12	L56392-15	15.1	Sample Temperature, Field	12.3694	deg C			
09/18/12	L56392-16	24.6	Sample Temperature, Field	12.2807	deg C			
09/18/12	L56392-17	34.9	Sample Temperature, Field	12.2619	deg C			
09/18/12	L56392-18	54.6	Sample Temperature, Field	12.1306	deg C			
09/18/12	L56392-19	99.4	Sample Temperature, Field	11.3808	deg C			
09/18/12	L56392-20	178	Sample Temperature, Field	11.1348	deg C			
09/18/12	L56392-21	179	Sample Temperature, Field	11.1348	deg C			
10/18/12	L56639-14	1.2	Sample Temperature, Field	11.7300	deg C			
10/18/12	L56639-15	15.3	Sample Temperature, Field	11.7071	deg C			
10/18/12	L56639-16	25.1	Sample Temperature, Field	11.6567	deg C			
10/18/12	L56639-17	35.1	Sample Temperature, Field	11.5945	deg C			
10/18/12	L56639-18	54.8	Sample Temperature, Field	11.5344	deg C			
10/18/12	L56639-19	99.5	Sample Temperature, Field	11.1151	deg C			
10/18/12	L56639-20	178	Sample Temperature, Field	10.8507	deg C			
10/18/12	L56639-21	179	Sample Temperature, Field	10.8509	deg C			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
11/27/12	L56806-14	0.78	Sample Temperature, Field	9.8110	deg C			
11/27/12	L56806-15	14.5	Sample Temperature, Field	10.4972	deg C			
11/27/12	L56806-16	24.8	Sample Temperature, Field	10.5123	deg C			
11/27/12	L56806-17	34.5	Sample Temperature, Field	10.5364	deg C			
11/27/12	L56806-18	54	Sample Temperature, Field	10.5732	deg C			
11/27/12	L56806-19	98.7	Sample Temperature, Field	10.5165	deg C			
11/27/12	L56806-20	177	Sample Temperature, Field	10.4855	deg C			
11/27/12	L56806-21	178	Sample Temperature, Field	10.4861	deg C			
12/12/12	L56990-7	4.9	Sample Temperature, Field	10.1431	deg C			
12/12/12	L56990-8	49.5	Sample Temperature, Field	10.1566	deg C			
12/12/12	L56990-10	158	Sample Temperature, Field	10.2281	deg C			
12/12/12	L56990-9	158	Sample Temperature, Field	10.2270	deg C			
12/27/12	L57088-14	1	Sample Temperature, Field	9.4536	deg C			
12/27/12	L57088-15	14.9	Sample Temperature, Field	9.6122	deg C			
12/27/12	L57088-16	24.7	Sample Temperature, Field	9.6301	deg C			
12/27/12	L57088-17	34.4	Sample Temperature, Field	9.6455	deg C			
12/27/12	L57088-18	54.3	Sample Temperature, Field	9.6491	deg C			
12/27/12	L57088-19	98.9	Sample Temperature, Field	9.6819	deg C			
12/27/12	L57088-20	178	Sample Temperature, Field	9.2970	deg C			
12/27/12	L57088-21	178	Sample Temperature, Field	9.2952	deg C			
07/14/11	L53626-7	5.2	Total Alkalinity	97.4	mg CaCO3/L		1	5
07/14/11	L53626-8	49.8	Total Alkalinity	101	mg CaCO3/L		1	5
07/14/11	L53626-9	158	Total Alkalinity	102	mg CaCO3/L		1	5
07/14/11	L53626-10	159	Total Alkalinity	103	mg CaCO3/L		1	5
12/14/11	L54765-7	5	Total Alkalinity	97.1	mg CaCO3/L		1	5
12/14/11	L54765-8	49.5	Total Alkalinity	98.3	mg CaCO3/L		1	5
12/14/11	L54765-9	158	Total Alkalinity	97.5	mg CaCO3/L		1	5
12/14/11	L54765-10	159	Total Alkalinity	103	mg CaCO3/L		1	5
07/30/12	L56062-7	5	Total Alkalinity	97.7	mg CaCO3/L		1	5
07/30/12	L56062-8	49.4	Total Alkalinity	101	mg CaCO3/L		1	5
07/30/12	L56062-10	158	Total Alkalinity	100	mg CaCO3/L		1	5
07/30/12	L56062-9	158	Total Alkalinity	100	mg CaCO3/L		1	5
12/12/12	L56990-7	4.9	Total Alkalinity	101	mg CaCO3/L		1	5
12/12/12	L56990-8	49.5	Total Alkalinity	101	mg CaCO3/L		1	5
12/12/12	L56990-10	158	Total Alkalinity	103	mg CaCO3/L		1	5
12/12/12	L56990-9	158	Total Alkalinity	102	mg CaCO3/L		1	5
07/14/11	L53626-7	5.2	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
07/14/11	L53626-8	49.8	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
07/14/11	L53626-9	158	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
07/14/11	L53626-10	159	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
12/14/11	L54765-7	5	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
12/14/11	L54765-8	49.5	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
12/14/11	L54765-9	158	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
12/14/11	L54765-10	159	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
07/30/12	L56062-7	5	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
07/30/12	L56062-8	49.4	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
07/30/12	L56062-10	158	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
07/30/12	L56062-9	158	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
12/12/12	L56990-7	4.9	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
12/12/12	L56990-8	49.5	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
12/12/12	L56990-10	158	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
12/12/12	L56990-9	158	Cyanide, Weak & Dissociable		mg/L	<MDL	0.005	0.01
01/19/11	L52444-14	1.3	Dissolved Oxygen, Field	8.3	mg/L		0.5	1

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Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
01/19/11	L52444-15	15.2	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
01/19/11	L52444-16	25.1	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
01/19/11	L52444-17	34.9	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
01/19/11	L52444-18	54.8	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
01/19/11	L52444-19	99.4	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
01/19/11	L52444-20	198	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
01/19/11	L52444-21	198	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
02/23/11	L52544-14	1.3	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
02/23/11	L52544-15	15	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
02/23/11	L52544-16	24.9	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
02/23/11	L52544-17	34.7	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
02/23/11	L52544-18	54.8	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
02/23/11	L52544-19	99.3	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
02/23/11	L52544-20	178	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
02/23/11	L52544-21	178	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
03/22/11	L52735-14	1.4	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
03/22/11	L52735-15	15.3	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/22/11	L52735-16	25.2	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/22/11	L52735-17	35.1	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/22/11	L52735-18	54.9	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
03/22/11	L52735-19	99.6	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
03/22/11	L52735-20	178	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
03/22/11	L52735-21	179	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
04/19/11	L52887-14	1.3	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
04/19/11	L52887-15	15.1	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
04/19/11	L52887-16	24.9	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
04/19/11	L52887-17	35	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
04/19/11	L52887-18	54.8	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
04/19/11	L52887-19	99.2	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
04/19/11	L52887-20	178	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
04/19/11	L52887-21	179	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
05/17/11	L53210-14	1.4	Dissolved Oxygen, Field	12.1	mg/L		0.5	1
05/17/11	L53210-15	15.2	Dissolved Oxygen, Field	10.1	mg/L		0.5	1
05/17/11	L53210-16	25.1	Dissolved Oxygen, Field	9.4	mg/L		0.5	1
05/17/11	L53210-17	35	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
05/17/11	L53210-18	54.8	Dissolved Oxygen, Field	9.1	mg/L		0.5	1
05/17/11	L53210-19	99.4	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
05/17/11	L53210-20	178	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
05/17/11	L53210-21	179	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
06/21/11	L53334-14	1.3	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
06/21/11	L53334-15	15.2	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
06/21/11	L53334-16	25.1	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
06/21/11	L53334-17	35	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
06/21/11	L53334-18	54.7	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
06/21/11	L53334-19	99.5	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
06/21/11	L53334-20	179	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
06/21/11	L53334-21	179	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
07/14/11	L53626-7	5.2	Dissolved Oxygen, Field	9.8	mg/L		0.5	1
07/14/11	L53626-8	49.8	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
07/14/11	L53626-9	158	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
07/14/11	L53626-10	159	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
07/19/11	L53547-14	1.2	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
07/19/11	L53547-15	15.1	Dissolved Oxygen, Field	8.1	mg/L		0.5	1

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Complete Water Quality Monitoring Data for Station LSNT01
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Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/19/11	L53547-16	24.9	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
07/19/11	L53547-17	34.9	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
07/19/11	L53547-18	54.6	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
07/19/11	L53547-19	99.3	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
07/19/11	L53547-20	178	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
07/19/11	L53547-21	179	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
08/16/11	L53893-14	1.3	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
08/16/11	L53893-15	15.1	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
08/16/11	L53893-16	25	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
08/16/11	L53893-17	35	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
08/16/11	L53893-18	54.8	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
08/16/11	L53893-19	99.3	Dissolved Oxygen, Field	5.7	mg/L		0.5	1
08/16/11	L53893-20	179	Dissolved Oxygen, Field	5.4	mg/L		0.5	1
08/16/11	L53893-21	179	Dissolved Oxygen, Field	5.4	mg/L		0.5	1
09/20/11	L54027-14	1.3	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
09/20/11	L54027-15	15.1	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
09/20/11	L54027-16	25.1	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
09/20/11	L54027-17	35	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
09/20/11	L54027-18	54.7	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
09/20/11	L54027-19	99.2	Dissolved Oxygen, Field	5.7	mg/L		0.5	1
09/20/11	L54027-20	178	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
09/20/11	L54027-21	179	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
10/18/11	L54273-14	1.3	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
10/18/11	L54273-15	14.6	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
10/18/11	L54273-16	25	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
10/18/11	L54273-17	34.6	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
10/18/11	L54273-18	54.6	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
10/18/11	L54273-19	99.4	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
10/18/11	L54273-20	178	Dissolved Oxygen, Field	5.5	mg/L		0.5	1
10/18/11	L54273-21	178	Dissolved Oxygen, Field	5.5	mg/L		0.5	1
11/29/11	L54479-14	1.2	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
11/29/11	L54479-15	15	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
11/29/11	L54479-16	24.8	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
11/29/11	L54479-17	34.7	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
11/29/11	L54479-18	54.7	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
11/29/11	L54479-19	99.1	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
11/29/11	L54479-20	178	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
11/29/11	L54479-21	178	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
12/14/11	L54765-7	5	Dissolved Oxygen, Field	7.3	mg/L		0.5	1
12/14/11	L54765-8	49.5	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/14/11	L54765-9	158	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
12/14/11	L54765-10	159	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
12/20/11	L54810-14	1.2	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
12/20/11	L54810-15	15.1	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/20/11	L54810-16	24.9	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/20/11	L54810-17	34.9	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/20/11	L54810-18	54.6	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/20/11	L54810-19	99.2	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/20/11	L54810-20	178	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/20/11	L54810-21	179	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
01/26/12	L54843-14	1.2	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
01/26/12	L54843-15	15.1	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
01/26/12	L54843-16	24.9	Dissolved Oxygen, Field	7.5	mg/L		0.5	1

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Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
01/26/12	L54843-17	34.9	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
01/26/12	L54843-18	54.6	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
01/26/12	L54843-19	99.2	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
01/26/12	L54843-20	178	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
01/26/12	L54843-21	179	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
02/23/12	L55090-14	1.2	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
02/23/12	L55090-15	15.1	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
02/23/12	L55090-16	24.9	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
02/23/12	L55090-17	34.7	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
02/23/12	L55090-18	54.4	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
02/23/12	L55090-19	99	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
02/23/12	L55090-20	178	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
02/23/12	L55090-21	179	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
03/22/12	L55196-14	1.3	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/22/12	L55196-15	15.1	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/22/12	L55196-16	25.1	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/22/12	L55196-17	35	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/22/12	L55196-18	54.6	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/22/12	L55196-19	99.3	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
03/22/12	L55196-20	178	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
03/22/12	L55196-21	179	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
04/17/12	L55374-14	1.5	Dissolved Oxygen, Field	9.6	mg/L		0.5	1
04/17/12	L55374-15	15.4	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
04/17/12	L55374-16	25.2	Dissolved Oxygen, Field	9.1	mg/L		0.5	1
04/17/12	L55374-17	35.1	Dissolved Oxygen, Field	8.9	mg/L		0.5	1
04/17/12	L55374-18	54.8	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
04/17/12	L55374-19	99.6	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
04/17/12	L55374-20	179	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
04/17/12	L55374-21	179	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
05/22/12	L55538-14	1.4	Dissolved Oxygen, Field	10.6	mg/L		0.5	1
05/22/12	L55538-15	15.3	Dissolved Oxygen, Field	9.8	mg/L		0.5	1
05/22/12	L55538-16	25.1	Dissolved Oxygen, Field	9.6	mg/L		0.5	1
05/22/12	L55538-17	35	Dissolved Oxygen, Field	9.4	mg/L		0.5	1
05/22/12	L55538-18	54.8	Dissolved Oxygen, Field	9.0	mg/L		0.5	1
05/22/12	L55538-19	99.5	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
05/22/12	L55538-20	179	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
05/22/12	L55538-21	179	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
06/19/12	L55792-14	1.3	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
06/19/12	L55792-15	15.2	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
06/19/12	L55792-16	25.1	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
06/19/12	L55792-17	34.9	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
06/19/12	L55792-18	54.4	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
06/19/12	L55792-19	99.3	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
06/19/12	L55792-20	178	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
06/19/12	L55792-21	179	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
07/17/12	L55945-14	1.2	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
07/17/12	L55945-15	15	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
07/17/12	L55945-16	24.9	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
07/17/12	L55945-17	35	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
07/17/12	L55945-18	54.7	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
07/17/12	L55945-19	99.3	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
07/17/12	L55945-20	179	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
07/17/12	L55945-21	179	Dissolved Oxygen, Field	6.0	mg/L		0.5	1

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/30/12	L56062-7	5	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
07/30/12	L56062-8	49.4	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
07/30/12	L56062-10	158	Dissolved Oxygen, Field	5.7	mg/L		0.5	1
07/30/12	L56062-9	158	Dissolved Oxygen, Field	5.7	mg/L		0.5	1
08/21/12	L56172-14	1.3	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
08/21/12	L56172-15	15.1	Dissolved Oxygen, Field	7.1	mg/L		0.5	1
08/21/12	L56172-16	24.9	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
08/21/12	L56172-17	34.8	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
08/21/12	L56172-18	54.7	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
08/21/12	L56172-19	99.2	Dissolved Oxygen, Field	5.7	mg/L		0.5	1
08/21/12	L56172-20	178	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
08/21/12	L56172-21	179	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
09/18/12	L56392-14	1.2	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
09/18/12	L56392-15	15.1	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
09/18/12	L56392-16	24.6	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
09/18/12	L56392-17	34.9	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
09/18/12	L56392-18	54.6	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
09/18/12	L56392-19	99.4	Dissolved Oxygen, Field	5.7	mg/L		0.5	1
09/18/12	L56392-20	178	Dissolved Oxygen, Field	5.5	mg/L		0.5	1
09/18/12	L56392-21	179	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
10/18/12	L56639-14	1.2	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
10/18/12	L56639-15	15.3	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
10/18/12	L56639-16	25.1	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
10/18/12	L56639-17	35.1	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
10/18/12	L56639-18	54.8	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
10/18/12	L56639-19	99.5	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
10/18/12	L56639-20	178	Dissolved Oxygen, Field	5.4	mg/L		0.5	1
10/18/12	L56639-21	179	Dissolved Oxygen, Field	5.4	mg/L		0.5	1
11/27/12	L56806-14	0.78	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
11/27/12	L56806-15	14.5	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
11/27/12	L56806-16	24.8	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
11/27/12	L56806-17	34.5	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
11/27/12	L56806-18	54	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
11/27/12	L56806-19	98.7	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
11/27/12	L56806-20	177	Dissolved Oxygen, Field	5.3	mg/L		0.5	1
11/27/12	L56806-21	178	Dissolved Oxygen, Field	5.3	mg/L		0.5	1
12/12/12	L56990-7	4.9	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
12/12/12	L56990-8	49.5	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
12/12/12	L56990-10	158	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
12/12/12	L56990-9	158	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
08/16/11	L53893-14	1.3	Total Suspended Solids	1.4	mg/L		0.5	1
08/16/11	L53893-15	15.1	Total Suspended Solids	1.6	mg/L		0.5	1
08/16/11	L53893-16	25	Total Suspended Solids	1.0	mg/L		0.5	1
08/16/11	L53893-17	35	Total Suspended Solids	1.3	mg/L		0.5	1
08/16/11	L53893-18	54.8	Total Suspended Solids	1.1	mg/L		0.5	1
08/16/11	L53893-19	99.3	Total Suspended Solids	1.7	mg/L		0.5	1
08/16/11	L53893-20	179	Total Suspended Solids	2.0	mg/L		0.5	1
08/16/11	L53893-21	179	Total Suspended Solids	2.9	mg/L		0.5	1
09/20/11	L54027-14	1.3	Total Suspended Solids	1.1	mg/L	<RDL	0.5	10
09/20/11	L54027-15	15.1	Total Suspended Solids	1.1	mg/L	<RDL	0.5	10
09/20/11	L54027-16	25.1	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
09/20/11	L54027-17	35	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
09/20/11	L54027-18	54.7	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10

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Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
09/20/11	L54027-19	99.2	Total Suspended Solids	1.8	mg/L	<RDL	0.5	10
09/20/11	L54027-20	178	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
09/20/11	L54027-21	179	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
10/18/11	L54273-14	1.3	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
10/18/11	L54273-15	14.6	Total Suspended Solids	0.8	mg/L	<RDL	0.5	10
10/18/11	L54273-16	25	Total Suspended Solids	1.1	mg/L	<RDL	0.5	10
10/18/11	L54273-17	34.6	Total Suspended Solids	0.8	mg/L	<RDL	0.5	10
10/18/11	L54273-18	54.6	Total Suspended Solids		mg/L	<MDL	0.5	10
10/18/11	L54273-19	99.4	Total Suspended Solids	0.6	mg/L	<RDL	0.5	10
10/18/11	L54273-20	178	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
10/18/11	L54273-21	178	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
11/29/11	L54479-14	1.2	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
11/29/11	L54479-15	15	Total Suspended Solids	0.6	mg/L	<RDL	0.5	10
11/29/11	L54479-16	24.8	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
11/29/11	L54479-17	34.7	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
11/29/11	L54479-18	54.7	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
11/29/11	L54479-19	99.1	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
11/29/11	L54479-20	178	Total Suspended Solids	1.6	mg/L	<RDL	1	20
11/29/11	L54479-21	178	Total Suspended Solids	1.7	mg/L	<RDL	0.5	10
12/20/11	L54810-14	1.2	Total Suspended Solids	0.7	mg/L	<RDL	0.5	10
12/20/11	L54810-15	15.1	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
12/20/11	L54810-16	24.9	Total Suspended Solids	1.1	mg/L	<RDL	0.5	10
12/20/11	L54810-17	34.9	Total Suspended Solids	1.6	mg/L	<RDL	1	20
12/20/11	L54810-18	54.6	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
12/20/11	L54810-19	99.2	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
12/20/11	L54810-20	178	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
12/20/11	L54810-21	179	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
01/26/12	L54843-14	1.2	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
01/26/12	L54843-15	15.1	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
01/26/12	L54843-16	24.9	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
01/26/12	L54843-17	34.9	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
01/26/12	L54843-18	54.6	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10
01/26/12	L54843-19	99.2	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
01/26/12	L54843-21	179	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
02/23/12	L55090-14	1.2	Total Suspended Solids		mg/L	<MDL	1	20
02/23/12	L55090-15	15.1	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
02/23/12	L55090-16	24.9	Total Suspended Solids	0.8	mg/L	<RDL	0.5	10
02/23/12	L55090-17	34.7	Total Suspended Solids	2.6	mg/L	<RDL	0.5	10
02/23/12	L55090-18	54.4	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
02/23/12	L55090-19	99	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
02/23/12	L55090-20	178	Total Suspended Solids	2.4	mg/L	<RDL	0.5	10
02/23/12	L55090-21	179	Total Suspended Solids	2.8	mg/L	<RDL	0.5	10
03/22/12	L55196-14	1.3	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
03/22/12	L55196-15	15.1	Total Suspended Solids	1.8	mg/L	<RDL	0.5	10
03/22/12	L55196-16	25.1	Total Suspended Solids	2.5	mg/L	<RDL	0.5	10
03/22/12	L55196-17	35	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
03/22/12	L55196-18	54.6	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
03/22/12	L55196-19	99.3	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
03/22/12	L55196-20	178	Total Suspended Solids	4.2	mg/L	<RDL	0.5	10
03/22/12	L55196-21	179	Total Suspended Solids	2.4	mg/L	<RDL	0.5	10
04/17/12	L55374-14	1.5	Total Suspended Solids	5.3	mg/L	<RDL	0.5	10
04/17/12	L55374-15	15.4	Total Suspended Solids	4.3	mg/L	<RDL	0.5	10
04/17/12	L55374-16	25.2	Total Suspended Solids	4.6	mg/L	<RDL	1	20

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Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
04/17/12	L55374-17	35.1	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
04/17/12	L55374-18	54.8	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10
04/17/12	L55374-19	99.6	Total Suspended Solids	2.5	mg/L	<RDL	0.5	10
04/17/12	L55374-20	179	Total Suspended Solids	3.2	mg/L	<RDL	0.5	10
04/17/12	L55374-21	179	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
05/22/12	L55538-14	1.4	Total Suspended Solids	6.0	mg/L	<RDL	1	20
05/22/12	L55538-15	15.3	Total Suspended Solids	3.2	mg/L	<RDL	0.5	10
05/22/12	L55538-16	25.1	Total Suspended Solids	2.0	mg/L	<RDL	0.5	10
05/22/12	L55538-17	35	Total Suspended Solids	3.2	mg/L	<RDL	0.5	11
05/22/12	L55538-18	54.8	Total Suspended Solids	2.8	mg/L	<RDL	0.5	10
05/22/12	L55538-19	99.5	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
05/22/12	L55538-20	179	Total Suspended Solids	3.3	mg/L	<RDL	0.5	10
05/22/12	L55538-21	179	Total Suspended Solids	3.1	mg/L	<RDL	0.5	10
06/19/12	L55792-14	1.3	Total Suspended Solids	2.7	mg/L	<RDL	0.5	10
06/19/12	L55792-15	15.2	Total Suspended Solids	2.6	mg/L	<RDL	0.5	10
06/19/12	L55792-16	25.1	Total Suspended Solids	4.0	mg/L	<RDL	0.5	10
06/19/12	L55792-17	34.9	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10
06/19/12	L55792-18	54.4	Total Suspended Solids	3.0	mg/L	<RDL	0.5	10
06/19/12	L55792-19	99.3	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10
06/19/12	L55792-20	178	Total Suspended Solids	3.6	mg/L	<RDL	0.5	10
06/19/12	L55792-21	179	Total Suspended Solids	4.4	mg/L	<RDL	1	20
07/17/12	L55945-14	1.2	Total Suspended Solids	2.4	mg/L	<RDL	0.5	10
07/17/12	L55945-15	15	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
07/17/12	L55945-16	24.9	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
07/17/12	L55945-17	35	Total Suspended Solids	2.8	mg/L	<RDL	0.5	10
07/17/12	L55945-19	99.3	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
07/17/12	L55945-20	179	Total Suspended Solids	3.2	mg/L	<RDL	0.5	10
07/17/12	L55945-21	179	Total Suspended Solids	3.8	mg/L	<RDL	0.5	10
08/21/12	L56172-14	1.3	Total Suspended Solids	3.4	mg/L	<RDL	0.5	10
08/21/12	L56172-15	15.1	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10
08/21/12	L56172-16	24.9	Total Suspended Solids	3.5	mg/L	<RDL	0.5	11
08/21/12	L56172-17	34.8	Total Suspended Solids	2.4	mg/L	<RDL	0.5	10
08/21/12	L56172-18	54.7	Total Suspended Solids	2.8	mg/L	<RDL	0.5	10
08/21/12	L56172-19	99.2	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10
08/21/12	L56172-20	178	Total Suspended Solids	4.2	mg/L	<RDL	0.5	10
08/21/12	L56172-21	179	Total Suspended Solids	5.1	mg/L	<RDL	0.5	10
09/18/12	L56392-14	1.2	Total Suspended Solids	4.9	mg/L	<RDL	0.5	10
09/18/12	L56392-15	15.1	Total Suspended Solids	3.3	mg/L	<RDL	0.5	10
09/18/12	L56392-16	24.6	Total Suspended Solids	4.8	mg/L	<RDL	0.5	10
09/18/12	L56392-17	34.9	Total Suspended Solids	4.5	mg/L	<RDL	0.5	10
09/18/12	L56392-18	54.6	Total Suspended Solids	3.7	mg/L	<RDL	0.5	10
09/18/12	L56392-19	99.4	Total Suspended Solids	3.9	mg/L	<RDL	0.5	10
09/18/12	L56392-20	178	Total Suspended Solids	3.5	mg/L	<RDL	0.5	10
09/18/12	L56392-21	179	Total Suspended Solids	3.9	mg/L	<RDL	0.5	10
10/18/12	L56639-14	1.2	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
10/18/12	L56639-15	15.3	Total Suspended Solids	2.6	mg/L	<RDL	0.5	10
10/18/12	L56639-16	25.1	Total Suspended Solids	3.2	mg/L	<RDL	0.5	10
10/18/12	L56639-17	35.1	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
10/18/12	L56639-18	54.8	Total Suspended Solids	3.5	mg/L	<RDL	0.5	10
10/18/12	L56639-19	99.5	Total Suspended Solids	3.1	mg/L	<RDL	0.5	10
10/18/12	L56639-20	178	Total Suspended Solids	4.0	mg/L	<RDL	0.5	10
10/18/12	L56639-21	179	Total Suspended Solids	4.7	mg/L	<RDL	0.5	10
11/27/12	L56806-14	0.78	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10

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Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
11/27/12	L56806-15	14.5	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
11/27/12	L56806-16	24.8	Total Suspended Solids	4.2	mg/L	<RDL	0.5	10
11/27/12	L56806-17	34.5	Total Suspended Solids		mg/L	<MDL	0.5	10
11/27/12	L56806-18	54	Total Suspended Solids	1.6	mg/L	<RDL	1	20
11/27/12	L56806-19	98.7	Total Suspended Solids	4.7	mg/L	<RDL	0.5	10
11/27/12	L56806-20	177	Total Suspended Solids	3.9	mg/L	<RDL	0.5	10
11/27/12	L56806-21	178	Total Suspended Solids	7.5	mg/L	<RDL	0.5	10
12/27/12	L57088-14	1	Total Suspended Solids	0.8	mg/L	<RDL	0.5	10
12/27/12	L57088-15	14.9	Total Suspended Solids	4.7	mg/L	<RDL	0.5	10
12/27/12	L57088-16	24.7	Total Suspended Solids	0.8	mg/L	<RDL	0.5	10
12/27/12	L57088-17	34.4	Total Suspended Solids	5.1	mg/L	<RDL	0.5	10
12/27/12	L57088-18	54.3	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10
12/27/12	L57088-19	98.9	Total Suspended Solids	1.7	mg/L	<RDL	0.5	10
12/27/12	L57088-20	178	Total Suspended Solids	6.2	mg/L	<RDL	0.5	10
12/27/12	L57088-21	178	Total Suspended Solids	3.8	mg/L	<RDL	0.5	10
01/19/11	L52444-14	1.3	pH, Field	7.7	pH			
01/19/11	L52444-15	15.2	pH, Field	7.7	pH			
01/19/11	L52444-16	25.1	pH, Field	7.7	pH			
01/19/11	L52444-17	34.9	pH, Field	7.7	pH			
01/19/11	L52444-18	54.8	pH, Field	7.7	pH			
01/19/11	L52444-19	99.4	pH, Field	7.7	pH			
01/19/11	L52444-20	198	pH, Field	7.7	pH			
01/19/11	L52444-21	198	pH, Field	7.7	pH			
02/23/11	L52544-14	1.3	pH, Field	7.7	pH			
02/23/11	L52544-15	15	pH, Field	7.7	pH			
02/23/11	L52544-16	24.9	pH, Field	7.7	pH			
02/23/11	L52544-17	34.7	pH, Field	7.7	pH			
02/23/11	L52544-18	54.8	pH, Field	7.7	pH			
02/23/11	L52544-19	99.3	pH, Field	7.7	pH			
02/23/11	L52544-20	178	pH, Field	7.7	pH			
02/23/11	L52544-21	178	pH, Field	7.7	pH			
03/22/11	L52735-14	1.4	pH, Field	7.7	pH			
03/22/11	L52735-15	15.3	pH, Field	7.7	pH			
03/22/11	L52735-16	25.2	pH, Field	7.7	pH			
03/22/11	L52735-17	35.1	pH, Field	7.7	pH			
03/22/11	L52735-18	54.9	pH, Field	7.7	pH			
03/22/11	L52735-19	99.6	pH, Field	7.7	pH			
03/22/11	L52735-20	178	pH, Field	7.7	pH			
03/22/11	L52735-21	179	pH, Field	7.7	pH			
04/19/11	L52887-14	1.3	pH, Field	7.9	pH			
04/19/11	L52887-15	15.1	pH, Field	7.8	pH			
04/19/11	L52887-16	24.9	pH, Field	7.8	pH			
04/19/11	L52887-17	35	pH, Field	7.8	pH			
04/19/11	L52887-18	54.8	pH, Field	7.8	pH			
04/19/11	L52887-19	99.2	pH, Field	7.8	pH			
04/19/11	L52887-20	178	pH, Field	7.8	pH			
04/19/11	L52887-21	179	pH, Field	7.8	pH			
05/17/11	L53210-14	1.4	pH, Field	8.0	pH			
05/17/11	L53210-15	15.2	pH, Field	7.8	pH			
05/17/11	L53210-16	25.1	pH, Field	7.8	pH			
05/17/11	L53210-17	35	pH, Field	7.7	pH			
05/17/11	L53210-18	54.8	pH, Field	7.7	pH			
05/17/11	L53210-19	99.4	pH, Field	7.7	pH			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
05/17/11	L53210-20	178	pH, Field	7.7	pH			
05/17/11	L53210-21	179	pH, Field	7.7	pH			
06/21/11	L53334-14	1.3	pH, Field	7.8	pH			
06/21/11	L53334-15	15.2	pH, Field	7.8	pH			
06/21/11	L53334-16	25.1	pH, Field	7.8	pH			
06/21/11	L53334-17	35	pH, Field	7.8	pH			
06/21/11	L53334-18	54.7	pH, Field	7.8	pH			
06/21/11	L53334-19	99.5	pH, Field	7.7	pH			
06/21/11	L53334-20	179	pH, Field	7.7	pH			
06/21/11	L53334-21	179	pH, Field	7.7	pH			
07/14/11	L53626-7	5.2	pH, Field	8.0	pH			
07/14/11	L53626-8	49.8	pH, Field	7.9	pH			
07/14/11	L53626-9	158	pH, Field	7.6	pH			
07/14/11	L53626-10	159	pH, Field	7.6	pH			
07/19/11	L53547-14	1.2	pH, Field	7.8	pH			
07/19/11	L53547-15	15.1	pH, Field	7.8	pH			
07/19/11	L53547-16	24.9	pH, Field	7.8	pH			
07/19/11	L53547-17	34.9	pH, Field	7.8	pH			
07/19/11	L53547-18	54.6	pH, Field	7.8	pH			
07/19/11	L53547-19	99.3	pH, Field	7.7	pH			
07/19/11	L53547-20	178	pH, Field	7.6	pH			
07/19/11	L53547-21	179	pH, Field	7.6	pH			
08/16/11	L53893-14	1.3	pH, Field	7.8	pH			
08/16/11	L53893-15	15.1	pH, Field	7.7	pH			
08/16/11	L53893-16	25	pH, Field	7.7	pH			
08/16/11	L53893-17	35	pH, Field	7.7	pH			
08/16/11	L53893-18	54.8	pH, Field	7.7	pH			
08/16/11	L53893-19	99.3	pH, Field	7.6	pH			
08/16/11	L53893-20	179	pH, Field	7.6	pH			
08/16/11	L53893-21	179	pH, Field	7.6	pH			
09/20/11	L54027-14	1.3	pH, Field	7.7	pH			
09/20/11	L54027-15	15.1	pH, Field	7.6	pH			
09/20/11	L54027-16	25.1	pH, Field	7.6	pH			
09/20/11	L54027-17	35	pH, Field	7.6	pH			
09/20/11	L54027-18	54.7	pH, Field	7.6	pH			
09/20/11	L54027-19	99.2	pH, Field	7.6	pH			
09/20/11	L54027-20	178	pH, Field	7.6	pH			
09/20/11	L54027-21	179	pH, Field	7.6	pH			
10/18/11	L54273-14	1.3	pH, Field	7.7	pH			
10/18/11	L54273-15	14.6	pH, Field	7.6	pH			
10/18/11	L54273-16	25	pH, Field	7.6	pH			
10/18/11	L54273-17	34.6	pH, Field	7.6	pH			
10/18/11	L54273-18	54.6	pH, Field	7.6	pH			
10/18/11	L54273-19	99.4	pH, Field	7.5	pH			
10/18/11	L54273-20	178	pH, Field	7.5	pH			
10/18/11	L54273-21	178	pH, Field	7.5	pH			
11/29/11	L54479-14	1.2	pH, Field	7.4	pH			
11/29/11	L54479-15	15	pH, Field	7.4	pH			
11/29/11	L54479-16	24.8	pH, Field	7.4	pH			
11/29/11	L54479-17	34.7	pH, Field	7.4	pH			
11/29/11	L54479-18	54.7	pH, Field	7.4	pH			
11/29/11	L54479-19	99.1	pH, Field	7.4	pH			
11/29/11	L54479-20	178	pH, Field	7.4	pH			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
11/29/11	L54479-21	178	pH, Field	7.4	pH			
12/14/11	L54765-7	5	pH, Field	7.5	pH			
12/14/11	L54765-8	49.5	pH, Field	7.4	pH			
12/14/11	L54765-9	158	pH, Field	7.4	pH			
12/14/11	L54765-10	159	pH, Field	7.4	pH			
12/20/11	L54810-14	1.2	pH, Field	7.5	pH			
12/20/11	L54810-15	15.1	pH, Field	7.5	pH			
12/20/11	L54810-16	24.9	pH, Field	7.5	pH			
12/20/11	L54810-17	34.9	pH, Field	7.5	pH			
12/20/11	L54810-18	54.6	pH, Field	7.5	pH			
12/20/11	L54810-19	99.2	pH, Field	7.5	pH			
12/20/11	L54810-20	178	pH, Field	7.4	pH			
12/20/11	L54810-21	179	pH, Field	7.4	pH			
07/30/12	L56062-7	5	pH, Field	7.8	pH			
07/30/12	L56062-8	49.4	pH, Field	7.6	pH			
07/30/12	L56062-9	158	pH, Field	7.5	pH			
07/30/12	L56062-10	158	pH, Field	7.5	pH			
12/12/12	L56990-7	4.9	pH, Field	7.5	pH			
12/12/12	L56990-8	49.5	pH, Field	7.5	pH			
12/12/12	L56990-10	158	pH, Field	7.5	pH			
12/12/12	L56990-9	158	pH, Field	7.5	pH			
01/19/11	L52444-14	1.3	Salinity, Field	28.256	PSS			
01/19/11	L52444-15	15.2	Salinity, Field	29.181	PSS			
01/19/11	L52444-16	25.1	Salinity, Field	29.259	PSS			
01/19/11	L52444-17	34.9	Salinity, Field	29.323	PSS			
01/19/11	L52444-18	54.8	Salinity, Field	29.396	PSS			
01/19/11	L52444-19	99.4	Salinity, Field	29.638	PSS			
01/19/11	L52444-20	198	Salinity, Field	29.730	PSS			
01/19/11	L52444-21	198	Salinity, Field	29.730	PSS			
02/23/11	L52544-14	1.3	Salinity, Field	28.868	PSS			
02/23/11	L52544-15	15	Salinity, Field	28.882	PSS			
02/23/11	L52544-16	24.9	Salinity, Field	28.923	PSS			
02/23/11	L52544-17	34.7	Salinity, Field	28.929	PSS			
02/23/11	L52544-18	54.8	Salinity, Field	29.012	PSS			
02/23/11	L52544-19	99.3	Salinity, Field	29.417	PSS			
02/23/11	L52544-20	178	Salinity, Field	29.543	PSS			
02/23/11	L52544-21	178	Salinity, Field	29.544	PSS			
03/22/11	L52735-14	1.4	Salinity, Field	28.716	PSS			
03/22/11	L52735-15	15.3	Salinity, Field	28.871	PSS			
03/22/11	L52735-16	25.2	Salinity, Field	28.906	PSS			
03/22/11	L52735-17	35.1	Salinity, Field	28.934	PSS			
03/22/11	L52735-18	54.9	Salinity, Field	29.038	PSS			
03/22/11	L52735-19	99.6	Salinity, Field	29.278	PSS			
03/22/11	L52735-20	178	Salinity, Field	29.528	PSS			
03/22/11	L52735-21	179	Salinity, Field	29.528	PSS			
04/19/11	L52887-14	1.3	Salinity, Field	27.866	PSS			
04/19/11	L52887-15	15.1	Salinity, Field	28.431	PSS			
04/19/11	L52887-16	24.9	Salinity, Field	28.502	PSS			
04/19/11	L52887-17	35	Salinity, Field	28.544	PSS			
04/19/11	L52887-18	54.8	Salinity, Field	28.593	PSS			
04/19/11	L52887-19	99.2	Salinity, Field	28.965	PSS			
04/19/11	L52887-20	178	Salinity, Field	29.229	PSS			
04/19/11	L52887-21	179	Salinity, Field	29.229	PSS			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
05/17/11	L53210-14	1.4	Salinity, Field	28.158	PSS			
05/17/11	L53210-15	15.2	Salinity, Field	28.528	PSS			
05/17/11	L53210-16	25.1	Salinity, Field	28.648	PSS			
05/17/11	L53210-17	35	Salinity, Field	28.713	PSS			
05/17/11	L53210-18	54.8	Salinity, Field	28.859	PSS			
05/17/11	L53210-19	99.4	Salinity, Field	29.254	PSS			
05/17/11	L53210-20	178	Salinity, Field	29.505	PSS			
05/17/11	L53210-21	179	Salinity, Field	29.505	PSS			
06/21/11	L53334-14	1.3	Salinity, Field	28.746	PSS			
06/21/11	L53334-15	15.2	Salinity, Field	28.785	PSS			
06/21/11	L53334-16	25.1	Salinity, Field	28.827	PSS			
06/21/11	L53334-17	35	Salinity, Field	28.849	PSS			
06/21/11	L53334-18	54.7	Salinity, Field	29.079	PSS			
06/21/11	L53334-19	99.5	Salinity, Field	29.437	PSS			
06/21/11	L53334-20	179	Salinity, Field	29.618	PSS			
06/21/11	L53334-21	179	Salinity, Field	29.618	PSS			
07/14/11	L53626-7	5.2	Salinity, Field	28.821	PSS			
07/14/11	L53626-8	49.8	Salinity, Field	28.994	PSS			
07/14/11	L53626-9	158	Salinity, Field	29.750	PSS			
07/14/11	L53626-10	159	Salinity, Field	29.751	PSS			
07/19/11	L53547-14	1.2	Salinity, Field	29.026	PSS			
07/19/11	L53547-15	15.1	Salinity, Field	29.043	PSS			
07/19/11	L53547-16	24.9	Salinity, Field	29.055	PSS			
07/19/11	L53547-17	34.9	Salinity, Field	29.074	PSS			
07/19/11	L53547-18	54.6	Salinity, Field	29.260	PSS			
07/19/11	L53547-19	99.3	Salinity, Field	29.612	PSS			
07/19/11	L53547-20	178	Salinity, Field	29.734	PSS			
07/19/11	L53547-21	179	Salinity, Field	29.735	PSS			
08/16/11	L53893-14	1.3	Salinity, Field	29.283	PSS			
08/16/11	L53893-15	15.1	Salinity, Field	29.305	PSS			
08/16/11	L53893-16	25	Salinity, Field	29.323	PSS			
08/16/11	L53893-17	35	Salinity, Field	29.334	PSS			
08/16/11	L53893-18	54.8	Salinity, Field	29.415	PSS			
08/16/11	L53893-19	99.3	Salinity, Field	29.780	PSS			
08/16/11	L53893-20	179	Salinity, Field	29.896	PSS			
08/16/11	L53893-21	179	Salinity, Field	29.897	PSS			
09/20/11	L54027-14	1.3	Salinity, Field	29.750	PSS			
09/20/11	L54027-15	15.1	Salinity, Field	29.779	PSS			
09/20/11	L54027-16	25.1	Salinity, Field	29.828	PSS			
09/20/11	L54027-17	35	Salinity, Field	30.012	PSS			
09/20/11	L54027-18	54.7	Salinity, Field	30.104	PSS			
09/20/11	L54027-19	99.2	Salinity, Field	30.218	PSS			
09/20/11	L54027-20	178	Salinity, Field	30.344	PSS			
09/20/11	L54027-21	179	Salinity, Field	30.343	PSS			
10/18/11	L54273-14	1.3	Salinity, Field	29.785	PSS			
10/18/11	L54273-15	14.6	Salinity, Field	29.969	PSS			
10/18/11	L54273-16	25	Salinity, Field	30.015	PSS			
10/18/11	L54273-17	34.6	Salinity, Field	30.074	PSS			
10/18/11	L54273-18	54.6	Salinity, Field	30.222	PSS			
10/18/11	L54273-19	99.4	Salinity, Field	30.376	PSS			
10/18/11	L54273-20	178	Salinity, Field	30.385	PSS			
10/18/11	L54273-21	178	Salinity, Field	30.385	PSS			
11/29/11	L54479-14	1.2	Salinity, Field	29.954	PSS			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
11/29/11	L54479-15	15	Salinity, Field	29.958	PSS			
11/29/11	L54479-16	24.8	Salinity, Field	29.973	PSS			
11/29/11	L54479-17	34.7	Salinity, Field	30.089	PSS			
11/29/11	L54479-18	54.7	Salinity, Field	30.155	PSS			
11/29/11	L54479-19	99.1	Salinity, Field	30.232	PSS			
11/29/11	L54479-20	178	Salinity, Field	30.259	PSS			
11/29/11	L54479-21	178	Salinity, Field	30.259	PSS			
12/14/11	L54765-7	5	Salinity, Field	29.638	PSS			
12/14/11	L54765-8	49.5	Salinity, Field	29.864	PSS			
12/14/11	L54765-9	158	Salinity, Field	30.146	PSS			
12/14/11	L54765-10	159	Salinity, Field	30.146	PSS			
12/20/11	L54810-14	1.2	Salinity, Field	29.778	PSS			
12/20/11	L54810-15	15.1	Salinity, Field	29.784	PSS			
12/20/11	L54810-16	24.9	Salinity, Field	29.784	PSS			
12/20/11	L54810-17	34.9	Salinity, Field	29.780	PSS			
12/20/11	L54810-18	54.6	Salinity, Field	29.855	PSS			
12/20/11	L54810-19	99.2	Salinity, Field	29.960	PSS			
12/20/11	L54810-20	178	Salinity, Field	30.019	PSS			
12/20/11	L54810-21	179	Salinity, Field	30.019	PSS			
01/26/12	L54843-14	1.2	Salinity, Field	29.605	PSS			
01/26/12	L54843-15	15.1	Salinity, Field	29.630	PSS			
01/26/12	L54843-16	24.9	Salinity, Field	29.697	PSS			
01/26/12	L54843-17	34.9	Salinity, Field	29.799	PSS			
01/26/12	L54843-18	54.6	Salinity, Field	29.863	PSS			
01/26/12	L54843-19	99.2	Salinity, Field	29.891	PSS			
01/26/12	L54843-20	178	Salinity, Field	29.905	PSS			
01/26/12	L54843-21	179	Salinity, Field	29.905	PSS			
02/23/12	L55090-14	1.2	Salinity, Field	29.382	PSS			
02/23/12	L55090-15	15.1	Salinity, Field	29.383	PSS			
02/23/12	L55090-16	24.9	Salinity, Field	29.387	PSS			
02/23/12	L55090-17	34.7	Salinity, Field	29.418	PSS			
02/23/12	L55090-18	54.4	Salinity, Field	29.512	PSS			
02/23/12	L55090-19	99	Salinity, Field	29.682	PSS			
02/23/12	L55090-20	178	Salinity, Field	29.771	PSS			
02/23/12	L55090-21	179	Salinity, Field	29.772	PSS			
03/22/12	L55196-14	1.3	Salinity, Field	29.239	PSS			
03/22/12	L55196-15	15.1	Salinity, Field	29.242	PSS			
03/22/12	L55196-16	25.1	Salinity, Field	29.242	PSS			
03/22/12	L55196-17	35	Salinity, Field	29.242	PSS			
03/22/12	L55196-18	54.6	Salinity, Field	29.242	PSS			
03/22/12	L55196-19	99.3	Salinity, Field	29.545	PSS			
03/22/12	L55196-20	178	Salinity, Field	29.781	PSS			
03/22/12	L55196-21	179	Salinity, Field	29.781	PSS			
04/17/12	L55374-14	1.5	Salinity, Field	28.868	PSS			
04/17/12	L55374-15	15.4	Salinity, Field	28.916	PSS			
04/17/12	L55374-16	25.2	Salinity, Field	28.958	PSS			
04/17/12	L55374-17	35.1	Salinity, Field	28.980	PSS			
04/17/12	L55374-18	54.8	Salinity, Field	29.037	PSS			
04/17/12	L55374-19	99.6	Salinity, Field	29.237	PSS			
04/17/12	L55374-20	179	Salinity, Field	29.511	PSS			
04/17/12	L55374-21	179	Salinity, Field	29.511	PSS			
05/22/12	L55538-14	1.4	Salinity, Field	28.313	PSS			
05/22/12	L55538-15	15.3	Salinity, Field	28.431	PSS			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
05/22/12	L55538-16	25.1	Salinity, Field	28.495	PSS			
05/22/12	L55538-17	35	Salinity, Field	28.544	PSS			
05/22/12	L55538-18	54.8	Salinity, Field	28.652	PSS			
05/22/12	L55538-19	99.5	Salinity, Field	29.291	PSS			
05/22/12	L55538-20	179	Salinity, Field	29.408	PSS			
05/22/12	L55538-21	179	Salinity, Field	29.408	PSS			
06/19/12	L55792-14	1.3	Salinity, Field	28.293	PSS			
06/19/12	L55792-15	15.2	Salinity, Field	28.558	PSS			
06/19/12	L55792-16	25.1	Salinity, Field	28.696	PSS			
06/19/12	L55792-17	34.9	Salinity, Field	28.861	PSS			
06/19/12	L55792-18	54.4	Salinity, Field	28.990	PSS			
06/19/12	L55792-19	99.3	Salinity, Field	29.531	PSS			
06/19/12	L55792-20	178	Salinity, Field	29.816	PSS			
06/19/12	L55792-21	179	Salinity, Field	29.816	PSS			
07/17/12	L55945-14	1.2	Salinity, Field	28.733	PSS			
07/17/12	L55945-15	15	Salinity, Field	28.902	PSS			
07/17/12	L55945-16	24.9	Salinity, Field	29.031	PSS			
07/17/12	L55945-17	35	Salinity, Field	29.080	PSS			
07/17/12	L55945-18	54.7	Salinity, Field	29.158	PSS			
07/17/12	L55945-19	99.3	Salinity, Field	29.559	PSS			
07/17/12	L55945-20	179	Salinity, Field	29.818	PSS			
07/17/12	L55945-21	179	Salinity, Field	29.818	PSS			
07/30/12	L56062-7	5	Salinity, Field	28.853	PSS			
07/30/12	L56062-8	49.4	Salinity, Field	29.454	PSS			
07/30/12	L56062-10	158	Salinity, Field	29.791	PSS			
07/30/12	L56062-9	158	Salinity, Field	29.791	PSS			
08/21/12	L56172-14	1.3	Salinity, Field	29.255	PSS			
08/21/12	L56172-15	15.1	Salinity, Field	29.332	PSS			
08/21/12	L56172-16	24.9	Salinity, Field	29.341	PSS			
08/21/12	L56172-17	34.8	Salinity, Field	29.355	PSS			
08/21/12	L56172-18	54.7	Salinity, Field	29.489	PSS			
08/21/12	L56172-19	99.2	Salinity, Field	29.852	PSS			
08/21/12	L56172-20	178	Salinity, Field	30.040	PSS			
08/21/12	L56172-21	179	Salinity, Field	30.040	PSS			
09/18/12	L56392-14	1.2	Salinity, Field	29.718	PSS			
09/18/12	L56392-15	15.1	Salinity, Field	29.737	PSS			
09/18/12	L56392-16	24.6	Salinity, Field	29.762	PSS			
09/18/12	L56392-17	34.9	Salinity, Field	29.770	PSS			
09/18/12	L56392-18	54.6	Salinity, Field	29.820	PSS			
09/18/12	L56392-19	99.4	Salinity, Field	30.219	PSS			
09/18/12	L56392-20	178	Salinity, Field	30.445	PSS			
09/18/12	L56392-21	179	Salinity, Field	30.445	PSS			
10/18/12	L56639-14	1.2	Salinity, Field	30.152	PSS			
10/18/12	L56639-15	15.3	Salinity, Field	30.162	PSS			
10/18/12	L56639-16	25.1	Salinity, Field	30.192	PSS			
10/18/12	L56639-17	35.1	Salinity, Field	30.230	PSS			
10/18/12	L56639-18	54.8	Salinity, Field	30.269	PSS			
10/18/12	L56639-19	99.5	Salinity, Field	30.523	PSS			
10/18/12	L56639-20	178	Salinity, Field	30.713	PSS			
10/18/12	L56639-21	179	Salinity, Field	30.713	PSS			
11/27/12	L56806-14	0.78	Salinity, Field	27.705	PSS			
11/27/12	L56806-15	14.5	Salinity, Field	29.593	PSS			
11/27/12	L56806-16	24.8	Salinity, Field	29.683	PSS			

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
11/27/12	L56806-17	34.5	Salinity, Field	29.767	PSS			
11/27/12	L56806-18	54	Salinity, Field	29.877	PSS			
11/27/12	L56806-19	98.7	Salinity, Field	30.205	PSS			
11/27/12	L56806-20	177	Salinity, Field	30.333	PSS			
11/27/12	L56806-21	178	Salinity, Field	30.334	PSS			
12/12/12	L56990-7	4.9	Salinity, Field	29.519	PSS			
12/12/12	L56990-8	49.5	Salinity, Field	29.577	PSS			
12/12/12	L56990-10	158	Salinity, Field	30.070	PSS			
12/12/12	L56990-9	158	Salinity, Field	30.068	PSS			
12/27/12	L57088-14	1	Salinity, Field	29.218	PSS			
12/27/12	L57088-15	14.9	Salinity, Field	29.295	PSS			
12/27/12	L57088-16	24.7	Salinity, Field	29.313	PSS			
12/27/12	L57088-17	34.4	Salinity, Field	29.329	PSS			
12/27/12	L57088-18	54.3	Salinity, Field	29.354	PSS			
12/27/12	L57088-19	98.9	Salinity, Field	29.658	PSS			
12/27/12	L57088-20	178	Salinity, Field	29.754	PSS			
12/27/12	L57088-21	178	Salinity, Field	29.754	PSS			
07/14/11	L53626-7	5.2	Antimony, Dissolved, ICP-MS	0.155	ug/L		0.005	0.025
07/14/11	L53626-8	49.8	Antimony, Dissolved, ICP-MS	0.152	ug/L		0.005	0.025
07/14/11	L53626-9	158	Antimony, Dissolved, ICP-MS	0.155	ug/L		0.005	0.025
07/14/11	L53626-10	159	Antimony, Dissolved, ICP-MS	0.154	ug/L		0.005	0.025
12/14/11	L54765-7	5	Antimony, Dissolved, ICP-MS	0.171	ug/L		0.005	0.025
12/14/11	L54765-8	49.5	Antimony, Dissolved, ICP-MS	0.168	ug/L		0.005	0.025
12/14/11	L54765-9	158	Antimony, Dissolved, ICP-MS	0.173	ug/L		0.005	0.025
12/14/11	L54765-10	159	Antimony, Dissolved, ICP-MS	0.171	ug/L		0.005	0.025
07/30/12	L56062-7	5	Antimony, Dissolved, ICP-MS	0.143	ug/L		0.005	0.025
07/30/12	L56062-8	49.4	Antimony, Dissolved, ICP-MS	0.148	ug/L		0.005	0.025
07/30/12	L56062-10	158	Antimony, Dissolved, ICP-MS	0.144	ug/L		0.005	0.025
07/30/12	L56062-9	158	Antimony, Dissolved, ICP-MS	0.146	ug/L		0.005	0.025
12/12/12	L56990-7	4.9	Antimony, Dissolved, ICP-MS	0.160	ug/L		0.005	0.025
12/12/12	L56990-8	49.5	Antimony, Dissolved, ICP-MS	0.160	ug/L		0.005	0.025
12/12/12	L56990-10	158	Antimony, Dissolved, ICP-MS	0.173	ug/L		0.005	0.025
12/12/12	L56990-9	158	Antimony, Dissolved, ICP-MS	0.165	ug/L		0.005	0.025
07/14/11	L53626-7	5.2	Antimony, Total, ICP-MS	0.160	ug/L		0.005	0.025
07/14/11	L53626-8	49.8	Antimony, Total, ICP-MS	0.158	ug/L		0.005	0.025
07/14/11	L53626-9	158	Antimony, Total, ICP-MS	0.164	ug/L		0.005	0.025
07/14/11	L53626-10	159	Antimony, Total, ICP-MS	0.161	ug/L		0.005	0.025
12/14/11	L54765-7	5	Antimony, Total, ICP-MS	0.157	ug/L		0.005	0.025
12/14/11	L54765-8	49.5	Antimony, Total, ICP-MS	0.163	ug/L		0.005	0.025
12/14/11	L54765-9	158	Antimony, Total, ICP-MS	0.162	ug/L		0.005	0.025
12/14/11	L54765-10	159	Antimony, Total, ICP-MS	0.167	ug/L		0.005	0.025
07/30/12	L56062-7	5	Antimony, Total, ICP-MS	0.171	ug/L		0.005	0.025
07/30/12	L56062-8	49.4	Antimony, Total, ICP-MS	0.172	ug/L		0.005	0.025
07/30/12	L56062-10	158	Antimony, Total, ICP-MS	0.164	ug/L		0.005	0.025
07/30/12	L56062-9	158	Antimony, Total, ICP-MS	0.171	ug/L		0.005	0.025
12/12/12	L56990-7	4.9	Antimony, Total, ICP-MS	0.172	ug/L		0.005	0.025
12/12/12	L56990-8	49.5	Antimony, Total, ICP-MS	0.182	ug/L		0.005	0.025
12/12/12	L56990-10	158	Antimony, Total, ICP-MS	0.183	ug/L		0.005	0.025
12/12/12	L56990-9	158	Antimony, Total, ICP-MS	0.174	ug/L		0.005	0.025
07/14/11	L53626-7	5.2	Arsenic, Dissolved, ICP-MS	1.22	ug/L		0.01	0.05
07/14/11	L53626-8	49.8	Arsenic, Dissolved, ICP-MS	1.22	ug/L		0.01	0.05
07/14/11	L53626-9	158	Arsenic, Dissolved, ICP-MS	1.28	ug/L		0.01	0.05
07/14/11	L53626-10	159	Arsenic, Dissolved, ICP-MS	1.26	ug/L		0.01	0.05

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Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/14/11	L54765-7	5	Arsenic, Dissolved, ICP-MS	1.40	ug/L		0.01	0.05
12/14/11	L54765-8	49.5	Arsenic, Dissolved, ICP-MS	1.40	ug/L		0.01	0.05
12/14/11	L54765-9	158	Arsenic, Dissolved, ICP-MS	1.43	ug/L		0.01	0.05
12/14/11	L54765-10	159	Arsenic, Dissolved, ICP-MS	1.46	ug/L		0.01	0.05
07/30/12	L56062-7	5	Arsenic, Dissolved, ICP-MS	1.28	ug/L		0.01	0.05
07/30/12	L56062-8	49.4	Arsenic, Dissolved, ICP-MS	1.37	ug/L		0.01	0.05
07/30/12	L56062-10	158	Arsenic, Dissolved, ICP-MS	1.43	ug/L		0.01	0.05
07/30/12	L56062-9	158	Arsenic, Dissolved, ICP-MS	1.42	ug/L		0.01	0.05
12/12/12	L56990-7	4.9	Arsenic, Dissolved, ICP-MS	1.39	ug/L		0.01	0.05
12/12/12	L56990-8	49.5	Arsenic, Dissolved, ICP-MS	1.40	ug/L		0.01	0.05
12/12/12	L56990-10	158	Arsenic, Dissolved, ICP-MS	1.45	ug/L		0.01	0.05
12/12/12	L56990-9	158	Arsenic, Dissolved, ICP-MS	1.45	ug/L		0.01	0.05
07/14/11	L53626-7	5.2	Arsenic, Total, ICP-MS	1.22	ug/L		0.01	0.05
07/14/11	L53626-8	49.8	Arsenic, Total, ICP-MS	1.32	ug/L		0.01	0.05
07/14/11	L53626-9	158	Arsenic, Total, ICP-MS	1.39	ug/L		0.01	0.05
07/14/11	L53626-10	159	Arsenic, Total, ICP-MS	1.35	ug/L		0.01	0.05
12/14/11	L54765-7	5	Arsenic, Total, ICP-MS	1.37	ug/L		0.01	0.05
12/14/11	L54765-8	49.5	Arsenic, Total, ICP-MS	1.42	ug/L		0.01	0.05
12/14/11	L54765-9	158	Arsenic, Total, ICP-MS	1.41	ug/L		0.01	0.05
12/14/11	L54765-10	159	Arsenic, Total, ICP-MS	1.45	ug/L		0.01	0.05
07/30/12	L56062-7	5	Arsenic, Total, ICP-MS	1.30	ug/L		0.01	0.05
07/30/12	L56062-8	49.4	Arsenic, Total, ICP-MS	1.37	ug/L		0.01	0.05
07/30/12	L56062-10	158	Arsenic, Total, ICP-MS	1.44	ug/L		0.01	0.05
07/30/12	L56062-9	158	Arsenic, Total, ICP-MS	1.44	ug/L		0.01	0.05
12/12/12	L56990-7	4.9	Arsenic, Total, ICP-MS	1.43	ug/L		0.01	0.05
12/12/12	L56990-8	49.5	Arsenic, Total, ICP-MS	1.41	ug/L		0.01	0.05
12/12/12	L56990-10	158	Arsenic, Total, ICP-MS	1.45	ug/L		0.01	0.05
12/12/12	L56990-9	158	Arsenic, Total, ICP-MS	1.49	ug/L		0.01	0.05
07/14/11	L53626-7	5.2	Cadmium, Dissolved, ICP-MS	0.0658	ug/L		0.005	0.025
07/14/11	L53626-8	49.8	Cadmium, Dissolved, ICP-MS	0.0636	ug/L		0.005	0.025
07/14/11	L53626-9	158	Cadmium, Dissolved, ICP-MS	0.0679	ug/L		0.005	0.025
07/14/11	L53626-10	159	Cadmium, Dissolved, ICP-MS	0.0700	ug/L		0.005	0.025
12/14/11	L54765-7	5	Cadmium, Dissolved, ICP-MS	0.0730	ug/L		0.005	0.025
12/14/11	L54765-8	49.5	Cadmium, Dissolved, ICP-MS	0.0709	ug/L		0.005	0.025
12/14/11	L54765-9	158	Cadmium, Dissolved, ICP-MS	0.0736	ug/L		0.005	0.025
12/14/11	L54765-10	159	Cadmium, Dissolved, ICP-MS	0.0749	ug/L		0.005	0.025
07/30/12	L56062-7	5	Cadmium, Dissolved, ICP-MS	0.0618	ug/L		0.005	0.025
07/30/12	L56062-8	49.4	Cadmium, Dissolved, ICP-MS	0.0676	ug/L		0.005	0.025
07/30/12	L56062-10	158	Cadmium, Dissolved, ICP-MS	0.0706	ug/L		0.005	0.025
07/30/12	L56062-9	158	Cadmium, Dissolved, ICP-MS	0.0724	ug/L		0.005	0.025
12/12/12	L56990-7	4.9	Cadmium, Dissolved, ICP-MS	0.0703	ug/L		0.005	0.025
12/12/12	L56990-8	49.5	Cadmium, Dissolved, ICP-MS	0.0732	ug/L		0.005	0.025
12/12/12	L56990-10	158	Cadmium, Dissolved, ICP-MS	0.0715	ug/L		0.005	0.025
12/12/12	L56990-9	158	Cadmium, Dissolved, ICP-MS	0.0717	ug/L		0.005	0.025
07/14/11	L53626-7	5.2	Cadmium, Total, ICP-MS	0.0611	ug/L		0.005	0.025
07/14/11	L53626-8	49.8	Cadmium, Total, ICP-MS	0.0653	ug/L		0.005	0.025
07/14/11	L53626-9	158	Cadmium, Total, ICP-MS	0.0703	ug/L		0.005	0.025
07/14/11	L53626-10	159	Cadmium, Total, ICP-MS	0.0721	ug/L		0.005	0.025
12/14/11	L54765-7	5	Cadmium, Total, ICP-MS	0.0708	ug/L		0.005	0.025
12/14/11	L54765-8	49.5	Cadmium, Total, ICP-MS	0.0710	ug/L		0.005	0.025
12/14/11	L54765-9	158	Cadmium, Total, ICP-MS	0.0728	ug/L		0.005	0.025
12/14/11	L54765-10	159	Cadmium, Total, ICP-MS	0.0742	ug/L		0.005	0.025
07/30/12	L56062-7	5	Cadmium, Total, ICP-MS	0.0712	ug/L		0.005	0.025

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01

NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/30/12	L56062-8	49.4	Cadmium, Total, ICP-MS	0.0744	ug/L		0.005	0.025
07/30/12	L56062-10	158	Cadmium, Total, ICP-MS	0.0755	ug/L		0.005	0.025
07/30/12	L56062-9	158	Cadmium, Total, ICP-MS	0.0764	ug/L		0.005	0.025
12/12/12	L56990-7	4.9	Cadmium, Total, ICP-MS	0.0804	ug/L		0.005	0.025
12/12/12	L56990-8	49.5	Cadmium, Total, ICP-MS	0.0778	ug/L		0.005	0.025
12/12/12	L56990-10	158	Cadmium, Total, ICP-MS	0.0830	ug/L		0.005	0.025
12/12/12	L56990-9	158	Cadmium, Total, ICP-MS	0.0818	ug/L		0.005	0.025
07/14/11	L53626-7	5.2	Chromium, Dissolved, ICP-MS	0.095	ug/L	<RDL	0.05	0.25
07/14/11	L53626-8	49.8	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
07/14/11	L53626-9	158	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
07/14/11	L53626-10	159	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/14/11	L54765-7	5	Chromium, Dissolved, ICP-MS	0.091	ug/L	<RDL	0.05	0.25
12/14/11	L54765-8	49.5	Chromium, Dissolved, ICP-MS	0.088	ug/L	<RDL	0.05	0.25
12/14/11	L54765-9	158	Chromium, Dissolved, ICP-MS	0.093	ug/L	<RDL	0.05	0.25
12/14/11	L54765-10	159	Chromium, Dissolved, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
07/30/12	L56062-7	5	Chromium, Dissolved, ICP-MS	0.18	ug/L	<RDL	0.05	0.25
07/30/12	L56062-8	49.4	Chromium, Dissolved, ICP-MS	0.15	ug/L	<RDL	0.05	0.25
07/30/12	L56062-10	158	Chromium, Dissolved, ICP-MS	0.15	ug/L	<RDL	0.05	0.25
07/30/12	L56062-9	158	Chromium, Dissolved, ICP-MS	0.13	ug/L	<RDL	0.05	0.25
12/12/12	L56990-7	4.9	Chromium, Dissolved, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
12/12/12	L56990-8	49.5	Chromium, Dissolved, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
12/12/12	L56990-10	158	Chromium, Dissolved, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
12/12/12	L56990-9	158	Chromium, Dissolved, ICP-MS	0.091	ug/L	<RDL	0.05	0.25
07/14/11	L53626-7	5.2	Chromium, Total, ICP-MS	0.094	ug/L	<RDL	0.05	0.25
07/14/11	L53626-8	49.8	Chromium, Total, ICP-MS	0.094	ug/L	<RDL	0.05	0.25
07/14/11	L53626-9	158	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
07/14/11	L53626-10	159	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/14/11	L54765-7	5	Chromium, Total, ICP-MS	0.12	ug/L	<RDL	0.05	0.25
12/14/11	L54765-8	49.5	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/14/11	L54765-9	158	Chromium, Total, ICP-MS	0.13	ug/L	<RDL	0.05	0.25
12/14/11	L54765-10	159	Chromium, Total, ICP-MS	0.14	ug/L	<RDL	0.05	0.25
07/30/12	L56062-7	5	Chromium, Total, ICP-MS	0.16	ug/L	<RDL	0.05	0.25
07/30/12	L56062-8	49.4	Chromium, Total, ICP-MS	0.13	ug/L	<RDL	0.05	0.25
07/30/12	L56062-10	158	Chromium, Total, ICP-MS	0.14	ug/L	<RDL	0.05	0.25
07/30/12	L56062-9	158	Chromium, Total, ICP-MS	0.15	ug/L	<RDL	0.05	0.25
12/12/12	L56990-7	4.9	Chromium, Total, ICP-MS	0.088	ug/L	<RDL	0.05	0.25
12/12/12	L56990-8	49.5	Chromium, Total, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
12/12/12	L56990-10	158	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/12/12	L56990-9	158	Chromium, Total, ICP-MS	0.14	ug/L	<RDL	0.05	0.25
07/14/11	L53626-7	5.2	Copper, Dissolved, ICP-MS	0.362	ug/L		0.025	0.125
07/14/11	L53626-8	49.8	Copper, Dissolved, ICP-MS	0.271	ug/L		0.025	0.125
07/14/11	L53626-9	158	Copper, Dissolved, ICP-MS	0.231	ug/L		0.025	0.125
07/14/11	L53626-10	159	Copper, Dissolved, ICP-MS	0.235	ug/L		0.025	0.125
12/14/11	L54765-7	5	Copper, Dissolved, ICP-MS	0.342	ug/L		0.025	0.125
12/14/11	L54765-8	49.5	Copper, Dissolved, ICP-MS	0.324	ug/L		0.025	0.125
12/14/11	L54765-9	158	Copper, Dissolved, ICP-MS	0.293	ug/L		0.025	0.125
12/14/11	L54765-10	159	Copper, Dissolved, ICP-MS	0.283	ug/L		0.025	0.125
07/30/12	L56062-7	5	Copper, Dissolved, ICP-MS	0.387	ug/L		0.025	0.125
07/30/12	L56062-8	49.4	Copper, Dissolved, ICP-MS	0.337	ug/L		0.025	0.125
07/30/12	L56062-10	158	Copper, Dissolved, ICP-MS	0.291	ug/L		0.025	0.125
07/30/12	L56062-9	158	Copper, Dissolved, ICP-MS	0.272	ug/L		0.025	0.125
12/12/12	L56990-7	4.9	Copper, Dissolved, ICP-MS	0.347	ug/L		0.025	0.125
12/12/12	L56990-8	49.5	Copper, Dissolved, ICP-MS	0.281	ug/L		0.025	0.125

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Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/12/12	L56990-10	158	Copper, Dissolved, ICP-MS	0.262	ug/L		0.025	0.125
12/12/12	L56990-9	158	Copper, Dissolved, ICP-MS	0.266	ug/L		0.025	0.125
07/14/11	L53626-7	5.2	Copper, Total, ICP-MS	0.298	ug/L		0.025	0.125
07/14/11	L53626-8	49.8	Copper, Total, ICP-MS	0.293	ug/L		0.025	0.125
07/14/11	L53626-9	158	Copper, Total, ICP-MS	0.260	ug/L		0.025	0.125
07/14/11	L53626-10	159	Copper, Total, ICP-MS	0.262	ug/L		0.025	0.125
12/14/11	L54765-7	5	Copper, Total, ICP-MS	0.407	ug/L		0.025	0.125
12/14/11	L54765-8	49.5	Copper, Total, ICP-MS	0.385	ug/L		0.025	0.125
12/14/11	L54765-9	158	Copper, Total, ICP-MS	0.380	ug/L		0.025	0.125
12/14/11	L54765-10	159	Copper, Total, ICP-MS	0.416	ug/L		0.025	0.125
07/30/12	L56062-7	5	Copper, Total, ICP-MS	0.441	ug/L		0.025	0.125
07/30/12	L56062-8	49.4	Copper, Total, ICP-MS	0.349	ug/L		0.025	0.125
07/30/12	L56062-10	158	Copper, Total, ICP-MS	0.343	ug/L		0.025	0.125
07/30/12	L56062-9	158	Copper, Total, ICP-MS	0.340	ug/L		0.025	0.125
12/12/12	L56990-7	4.9	Copper, Total, ICP-MS	1.99	ug/L		0.025	0.125
12/12/12	L56990-8	49.5	Copper, Total, ICP-MS	0.340	ug/L		0.025	0.125
12/12/12	L56990-10	158	Copper, Total, ICP-MS	0.356	ug/L		0.025	0.125
12/12/12	L56990-9	158	Copper, Total, ICP-MS	0.354	ug/L		0.025	0.125
07/14/11	L53626-7	5.2	Lead, Dissolved, ICP-MS	0.0077	ug/L	<RDL	0.005	0.025
07/14/11	L53626-8	49.8	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/14/11	L53626-9	158	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/14/11	L53626-10	159	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54765-7	5	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54765-8	49.5	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54765-9	158	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54765-10	159	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/30/12	L56062-7	5	Lead, Dissolved, ICP-MS	0.0063	ug/L	<RDL	0.005	0.025
07/30/12	L56062-8	49.4	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/30/12	L56062-10	158	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/30/12	L56062-9	158	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-7	4.9	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-8	49.5	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-10	158	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-9	158	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/14/11	L53626-7	5.2	Lead, Total, ICP-MS		ug/L	<MDL	0.005	0.025
07/14/11	L53626-8	49.8	Lead, Total, ICP-MS	0.016	ug/L	<RDL	0.005	0.025
07/14/11	L53626-9	158	Lead, Total, ICP-MS	0.022	ug/L	<RDL	0.005	0.025
07/14/11	L53626-10	159	Lead, Total, ICP-MS	0.023	ug/L	<RDL	0.005	0.025
12/14/11	L54765-7	5	Lead, Total, ICP-MS	0.019	ug/L	<RDL	0.005	0.025
12/14/11	L54765-8	49.5	Lead, Total, ICP-MS	0.018	ug/L	<RDL	0.005	0.025
12/14/11	L54765-9	158	Lead, Total, ICP-MS	0.025	ug/L	<RDL	0.005	0.025
12/14/11	L54765-10	159	Lead, Total, ICP-MS	0.035	ug/L		0.005	0.025
07/30/12	L56062-7	5	Lead, Total, ICP-MS	0.014	ug/L	<RDL	0.005	0.025
07/30/12	L56062-8	49.4	Lead, Total, ICP-MS	0.014	ug/L	<RDL	0.005	0.025
07/30/12	L56062-10	158	Lead, Total, ICP-MS	0.0307	ug/L		0.005	0.025
07/30/12	L56062-9	158	Lead, Total, ICP-MS	0.0302	ug/L		0.005	0.025
12/12/12	L56990-7	4.9	Lead, Total, ICP-MS	0.0413	ug/L		0.005	0.025
12/12/12	L56990-8	49.5	Lead, Total, ICP-MS	0.0335	ug/L		0.005	0.025
12/12/12	L56990-10	158	Lead, Total, ICP-MS	0.0492	ug/L		0.005	0.025
12/12/12	L56990-9	158	Lead, Total, ICP-MS	0.0479	ug/L		0.005	0.025
07/14/11	L53626-7	5.2	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/14/11	L53626-8	49.8	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/14/11	L53626-9	158	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/14/11	L53626-10	159	Mercury, Dissolved, CVAF	0.00023	ug/L	<RDL	0.0002	0.0005
12/14/11	L54765-7	5	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-8	49.5	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-9	158	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-10	159	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-7	5	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-8	49.4	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-10	158	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-9	158	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-7	4.9	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-8	49.5	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-10	158	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-9	158	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/14/11	L53626-7	5.2	Mercury, Total, CVAF	0.00023	ug/L	<RDL	0.0002	0.0005
07/14/11	L53626-8	49.8	Mercury, Total, CVAF	0.00024	ug/L	<RDL	0.0002	0.0005
07/14/11	L53626-9	158	Mercury, Total, CVAF	0.00027	ug/L	<RDL	0.0002	0.0005
07/14/11	L53626-10	159	Mercury, Total, CVAF	0.00024	ug/L	<RDL	0.0002	0.0005
12/14/11	L54765-7	5	Mercury, Total, CVAF	0.00023	ug/L	<RDL	0.0002	0.0005
12/14/11	L54765-8	49.5	Mercury, Total, CVAF	0.00029	ug/L	<RDL	0.0002	0.0005
12/14/11	L54765-9	158	Mercury, Total, CVAF	0.00040	ug/L	<RDL	0.0002	0.0005
12/14/11	L54765-10	159	Mercury, Total, CVAF	0.00030	ug/L	<RDL	0.0002	0.0005
07/30/12	L56062-7	5	Mercury, Total, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-8	49.4	Mercury, Total, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-10	158	Mercury, Total, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-9	158	Mercury, Total, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-7	4.9	Mercury, Total, CVAF	0.00030	ug/L	<RDL	0.0002	0.0005
12/12/12	L56990-8	49.5	Mercury, Total, CVAF	0.00032	ug/L	<RDL	0.0002	0.0005
12/12/12	L56990-10	158	Mercury, Total, CVAF	0.00036	ug/L	<RDL	0.0002	0.0005
12/12/12	L56990-9	158	Mercury, Total, CVAF	0.00039	ug/L	<RDL	0.0002	0.0005
07/14/11	L53626-7	5.2	Nickel, Dissolved, ICP-MS	0.417	ug/L		0.025	0.125
07/14/11	L53626-8	49.8	Nickel, Dissolved, ICP-MS	0.426	ug/L		0.025	0.125
07/14/11	L53626-9	158	Nickel, Dissolved, ICP-MS	0.421	ug/L		0.025	0.125
07/14/11	L53626-10	159	Nickel, Dissolved, ICP-MS	0.418	ug/L		0.025	0.125
12/14/11	L54765-7	5	Nickel, Dissolved, ICP-MS	0.403	ug/L		0.025	0.125
12/14/11	L54765-8	49.5	Nickel, Dissolved, ICP-MS	0.390	ug/L		0.025	0.125
12/14/11	L54765-9	158	Nickel, Dissolved, ICP-MS	0.395	ug/L		0.025	0.125
12/14/11	L54765-10	159	Nickel, Dissolved, ICP-MS	0.395	ug/L		0.025	0.125
07/30/12	L56062-7	5	Nickel, Dissolved, ICP-MS	0.406	ug/L		0.025	0.125
07/30/12	L56062-8	49.4	Nickel, Dissolved, ICP-MS	0.406	ug/L		0.025	0.125
07/30/12	L56062-10	158	Nickel, Dissolved, ICP-MS	0.398	ug/L		0.025	0.125
07/30/12	L56062-9	158	Nickel, Dissolved, ICP-MS	0.396	ug/L		0.025	0.125
12/12/12	L56990-7	4.9	Nickel, Dissolved, ICP-MS	0.429	ug/L		0.025	0.125
12/12/12	L56990-8	49.5	Nickel, Dissolved, ICP-MS	0.424	ug/L		0.025	0.125
12/12/12	L56990-10	158	Nickel, Dissolved, ICP-MS	0.430	ug/L		0.025	0.125
12/12/12	L56990-9	158	Nickel, Dissolved, ICP-MS	0.424	ug/L		0.025	0.125
07/14/11	L53626-7	5.2	Nickel, Total, ICP-MS	0.422	ug/L		0.025	0.125
07/14/11	L53626-8	49.8	Nickel, Total, ICP-MS	0.420	ug/L		0.025	0.125
07/14/11	L53626-9	158	Nickel, Total, ICP-MS	0.402	ug/L		0.025	0.125
07/14/11	L53626-10	159	Nickel, Total, ICP-MS	0.426	ug/L		0.025	0.125
12/14/11	L54765-7	5	Nickel, Total, ICP-MS	0.446	ug/L		0.025	0.125
12/14/11	L54765-8	49.5	Nickel, Total, ICP-MS	0.434	ug/L		0.025	0.125
12/14/11	L54765-9	158	Nickel, Total, ICP-MS	0.464	ug/L		0.025	0.125
12/14/11	L54765-10	159	Nickel, Total, ICP-MS	0.488	ug/L		0.025	0.125

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/30/12	L56062-7	5	Nickel, Total, ICP-MS	0.511	ug/L		0.025	0.125
07/30/12	L56062-8	49.4	Nickel, Total, ICP-MS	0.428	ug/L		0.025	0.125
07/30/12	L56062-10	158	Nickel, Total, ICP-MS	0.444	ug/L		0.025	0.125
07/30/12	L56062-9	158	Nickel, Total, ICP-MS	0.449	ug/L		0.025	0.125
12/12/12	L56990-7	4.9	Nickel, Total, ICP-MS	0.419	ug/L		0.025	0.125
12/12/12	L56990-8	49.5	Nickel, Total, ICP-MS	0.403	ug/L		0.025	0.125
12/12/12	L56990-10	158	Nickel, Total, ICP-MS	0.420	ug/L		0.025	0.125
12/12/12	L56990-9	158	Nickel, Total, ICP-MS	0.404	ug/L		0.025	0.125
07/14/11	L53626-7	5.2	Silver, Dissolved, ICP-MS	0.015	ug/L	<RDL	0.01	0.05
07/14/11	L53626-8	49.8	Silver, Dissolved, ICP-MS	0.016	ug/L	<RDL	0.01	0.05
07/14/11	L53626-9	158	Silver, Dissolved, ICP-MS	0.017	ug/L	<RDL	0.01	0.05
07/14/11	L53626-10	159	Silver, Dissolved, ICP-MS	0.020	ug/L	<RDL	0.01	0.05
12/14/11	L54765-7	5	Silver, Dissolved, ICP-MS	0.025	ug/L	<RDL	0.01	0.05
12/14/11	L54765-8	49.5	Silver, Dissolved, ICP-MS	0.027	ug/L	<RDL	0.01	0.05
12/14/11	L54765-9	158	Silver, Dissolved, ICP-MS	0.025	ug/L	<RDL	0.01	0.05
12/14/11	L54765-10	159	Silver, Dissolved, ICP-MS	0.026	ug/L	<RDL	0.01	0.05
07/30/12	L56062-7	5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-8	49.4	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-10	158	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-9	158	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-7	4.9	Silver, Dissolved, ICP-MS	0.011	ug/L	<RDL	0.01	0.05
12/12/12	L56990-8	49.5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-10	158	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-9	158	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/14/11	L53626-7	5.2	Silver, Total, ICP-MS	0.018	ug/L	<RDL	0.01	0.05
07/14/11	L53626-8	49.8	Silver, Total, ICP-MS	0.016	ug/L	<RDL	0.01	0.05
07/14/11	L53626-9	158	Silver, Total, ICP-MS	0.019	ug/L	<RDL	0.01	0.05
07/14/11	L53626-10	159	Silver, Total, ICP-MS	0.019	ug/L	<RDL	0.01	0.05
12/14/11	L54765-7	5	Silver, Total, ICP-MS	0.029	ug/L	<RDL	0.01	0.05
12/14/11	L54765-8	49.5	Silver, Total, ICP-MS	0.030	ug/L	<RDL	0.01	0.05
12/14/11	L54765-9	158	Silver, Total, ICP-MS	0.029	ug/L	<RDL	0.01	0.05
12/14/11	L54765-10	159	Silver, Total, ICP-MS	0.028	ug/L	<RDL	0.01	0.05
07/30/12	L56062-7	5	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-8	49.4	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-10	158	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-9	158	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-7	4.9	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-8	49.5	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-10	158	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-9	158	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/14/11	L53626-7	5.2	Zinc, Dissolved, ICP-MS	0.556	ug/L		0.1	0.5
07/14/11	L53626-8	49.8	Zinc, Dissolved, ICP-MS	0.707	ug/L		0.1	0.5
07/14/11	L53626-9	158	Zinc, Dissolved, ICP-MS	0.593	ug/L		0.1	0.5
07/14/11	L53626-10	159	Zinc, Dissolved, ICP-MS	0.581	ug/L		0.1	0.5
12/14/11	L54765-7	5	Zinc, Dissolved, ICP-MS	0.617	ug/L		0.1	0.5
12/14/11	L54765-8	49.5	Zinc, Dissolved, ICP-MS	0.39	ug/L	<RDL	0.1	0.5
12/14/11	L54765-9	158	Zinc, Dissolved, ICP-MS	0.36	ug/L	<RDL	0.1	0.5
12/14/11	L54765-10	159	Zinc, Dissolved, ICP-MS	0.46	ug/L	<RDL	0.1	0.5
07/30/12	L56062-7	5	Zinc, Dissolved, ICP-MS	0.571	ug/L		0.1	0.5
07/30/12	L56062-8	49.4	Zinc, Dissolved, ICP-MS	0.29	ug/L	<RDL	0.1	0.5
07/30/12	L56062-10	158	Zinc, Dissolved, ICP-MS	0.31	ug/L	<RDL	0.1	0.5
07/30/12	L56062-9	158	Zinc, Dissolved, ICP-MS	0.27	ug/L	<RDL	0.1	0.5
12/12/12	L56990-7	4.9	Zinc, Dissolved, ICP-MS	0.40	ug/L	<RDL	0.1	0.5

Table A-2

Complete Water Quality Monitoring Data for Station LSNT01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/12/12	L56990-8	49.5	Zinc, Dissolved, ICP-MS	0.37	ug/L	<RDL	0.1	0.5
12/12/12	L56990-10	158	Zinc, Dissolved, ICP-MS	0.33	ug/L	<RDL	0.1	0.5
12/12/12	L56990-9	158	Zinc, Dissolved, ICP-MS	0.35	ug/L	<RDL	0.1	0.5
07/14/11	L53626-7	5.2	Zinc, Total, ICP-MS	0.647	ug/L		0.1	0.5
07/14/11	L53626-8	49.8	Zinc, Total, ICP-MS	0.519	ug/L		0.1	0.5
07/14/11	L53626-9	158	Zinc, Total, ICP-MS	0.531	ug/L		0.1	0.5
07/14/11	L53626-10	159	Zinc, Total, ICP-MS	0.544	ug/L		0.1	0.5
12/14/11	L54765-7	5	Zinc, Total, ICP-MS	0.48	ug/L	<RDL	0.1	0.5
12/14/11	L54765-8	49.5	Zinc, Total, ICP-MS	0.44	ug/L	<RDL	0.1	0.5
12/14/11	L54765-9	158	Zinc, Total, ICP-MS	0.44	ug/L	<RDL	0.1	0.5
12/14/11	L54765-10	159	Zinc, Total, ICP-MS	0.512	ug/L		0.1	0.5
07/30/12	L56062-7	5	Zinc, Total, ICP-MS	0.519	ug/L		0.1	0.5
07/30/12	L56062-8	49.4	Zinc, Total, ICP-MS	0.42	ug/L	<RDL	0.1	0.5
07/30/12	L56062-10	158	Zinc, Total, ICP-MS	0.42	ug/L	<RDL	0.1	0.5
07/30/12	L56062-9	158	Zinc, Total, ICP-MS	0.43	ug/L	<RDL	0.1	0.5
12/12/12	L56990-7	4.9	Zinc, Total, ICP-MS	0.49	ug/L	<RDL	0.1	0.5
12/12/12	L56990-8	49.5	Zinc, Total, ICP-MS	0.40	ug/L	<RDL	0.1	0.5
12/12/12	L56990-10	158	Zinc, Total, ICP-MS	0.46	ug/L	<RDL	0.1	0.5
12/12/12	L56990-9	158	Zinc, Total, ICP-MS	0.46	ug/L	<RDL	0.1	0.5

Notes

Depth (m) - Depth below the water's surface (in meters) from which the sample was collected.
MDL - Method detection limit; the limit of reliable *detection* .
RDL - Reporting detection limit; the limit of reliable *quantitation* (PQL).
<MDL - Analyte was not detected
<RDL - Analyte was detected at a concentration less than the RDL.
CFU/100 ml - Colony forming units per 100 milliliters.
deg C - Degrees Celcius.
mg/L - Milligrams per liter.
mg CaCO3/L - Milligrams of calcium carbonate per liter.
PSS - Practical Salinity Scale.
ug/L - Micrograms per liter.

Table A-3

Complete Water Quality Monitoring Data for Station LTED04
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
01/18/11	L52381-28	1.2	Fecal Coliform	1	CFU/100ml		1	
02/22/11	L52539-28	0.89	Fecal Coliform	1	CFU/100ml		1	
03/21/11	L52727-28	1.4	Fecal Coliform	3	CFU/100ml		1	
04/19/11	L52883-28	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
05/16/11	L53206-28	1.2	Fecal Coliform	12	CFU/100ml		1	
06/20/11	L53331-28	1.1	Fecal Coliform		CFU/100ml	<MDL	1	
07/18/11	L53542-28	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
08/15/11	L53889-28	1.2	Fecal Coliform		CFU/100ml	<MDL	1	
09/19/11	L54019-28	1	Fecal Coliform		CFU/100ml	<MDL	1	
10/17/11	L54269-28	0.97	Fecal Coliform		CFU/100ml	<MDL	1	
11/28/11	L54474-28	0.92	Fecal Coliform	10	CFU/100ml		1	
12/19/11	L54766-28	0.83	Fecal Coliform		CFU/100ml	<MDL	1	
01/23/12	L54840-28	1.1	Fecal Coliform	14	CFU/100ml		1	
02/21/12	L55087-28	1.2	Fecal Coliform	4	CFU/100ml		1	
03/19/12	L55193-28	1.1	Fecal Coliform		CFU/100ml	<MDL	1	
04/16/12	L55370-28	1.1	Fecal Coliform	1	CFU/100ml		1	
05/21/12	L55534-28	1.2	Fecal Coliform	6	CFU/100ml		1	
06/18/12	L55788-28	1.1	Fecal Coliform		CFU/100ml	<MDL	1	
07/16/12	L55944-28	1.1	Fecal Coliform		CFU/100ml	<MDL	1	
08/20/12	L56238-28	1.1	Fecal Coliform		CFU/100ml	<MDL	1	
09/17/12	L56394-28	1	Fecal Coliform		CFU/100ml	<MDL	1	
10/17/12	L56533-28	1	Fecal Coliform	4	CFU/100ml			
11/26/12	L56803-28	0.67	Fecal Coliform	5	CFU/100ml			
12/18/12	L57085-28	0.58	Fecal Coliform	29	CFU/100ml			
01/18/11	L52381-28	1.2	Sample Temperature, Field	8.5867	deg C			
01/18/11	L52381-29	15	Sample Temperature, Field	8.7290	deg C			
01/18/11	L52381-30	24.9	Sample Temperature, Field	8.7102	deg C			
01/18/11	L52381-31	34.5	Sample Temperature, Field	8.6807	deg C			
01/18/11	L52381-32	54.4	Sample Temperature, Field	8.8023	deg C			
01/18/11	L52381-33	74.1	Sample Temperature, Field	8.8984	deg C			
02/22/11	L52539-28	0.89	Sample Temperature, Field	7.8332	deg C			
02/22/11	L52539-29	14.8	Sample Temperature, Field	8.1351	deg C			
02/22/11	L52539-30	24.6	Sample Temperature, Field	8.1545	deg C			
02/22/11	L52539-31	34.4	Sample Temperature, Field	8.2027	deg C			
02/22/11	L52539-32	54.1	Sample Temperature, Field	8.3058	deg C			
02/22/11	L52539-33	73.9	Sample Temperature, Field	8.1709	deg C			
03/21/11	L52727-28	1.4	Sample Temperature, Field	7.8429	deg C			
03/21/11	L52727-29	15.2	Sample Temperature, Field	7.7859	deg C			
03/21/11	L52727-30	25.1	Sample Temperature, Field	7.7601	deg C			
03/21/11	L52727-31	34.9	Sample Temperature, Field	7.7442	deg C			
03/21/11	L52727-32	54.9	Sample Temperature, Field	7.7423	deg C			
03/21/11	L52727-33	74.6	Sample Temperature, Field	7.7361	deg C			
04/19/11	L52883-28	1.2	Sample Temperature, Field	8.4543	deg C			
04/19/11	L52883-29	15.2	Sample Temperature, Field	8.0717	deg C			
04/19/11	L52883-30	25.1	Sample Temperature, Field	8.0024	deg C			
04/19/11	L52883-31	34.9	Sample Temperature, Field	7.9822	deg C			
04/19/11	L52883-32	54.8	Sample Temperature, Field	7.9142	deg C			
04/19/11	L52883-33	74.6	Sample Temperature, Field	7.8151	deg C			
05/16/11	L53206-28	1.2	Sample Temperature, Field	9.2211	deg C			
05/16/11	L53206-29	15	Sample Temperature, Field	9.2175	deg C			
05/16/11	L53206-30	24.9	Sample Temperature, Field	8.6544	deg C			
05/16/11	L53206-31	34.9	Sample Temperature, Field	8.5945	deg C			

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
05/16/11	L53206-32	54.5	Sample Temperature, Field	8.4465	deg C			
05/16/11	L53206-33	74.5	Sample Temperature, Field	8.3085	deg C			
06/20/11	L53331-28	1.1	Sample Temperature, Field	10.4997	deg C			
06/20/11	L53331-29	15	Sample Temperature, Field	10.1089	deg C			
06/20/11	L53331-30	24.8	Sample Temperature, Field	9.9469	deg C			
06/20/11	L53331-31	34.8	Sample Temperature, Field	9.8942	deg C			
06/20/11	L53331-32	54.6	Sample Temperature, Field	9.3849	deg C			
06/20/11	L53331-33	74.3	Sample Temperature, Field	9.2592	deg C			
07/14/11	L53626-4	4.9	Sample Temperature, Field	11.9016	deg C			
07/14/11	L53626-5	49.8	Sample Temperature, Field	10.6829	deg C			
07/14/11	L53626-6	74.2	Sample Temperature, Field	10.3586	deg C			
07/18/11	L53542-28	1.2	Sample Temperature, Field	11.7113	deg C			
07/18/11	L53542-29	15	Sample Temperature, Field	11.0441	deg C			
07/18/11	L53542-30	24.9	Sample Temperature, Field	10.9230	deg C			
07/18/11	L53542-31	34.8	Sample Temperature, Field	10.7007	deg C			
07/18/11	L53542-32	54.5	Sample Temperature, Field	10.2617	deg C			
07/18/11	L53542-33	74.5	Sample Temperature, Field	10.0083	deg C			
08/15/11	L53889-28	1.2	Sample Temperature, Field	12.9275	deg C			
08/15/11	L53889-29	15.1	Sample Temperature, Field	11.9529	deg C			
08/15/11	L53889-30	25	Sample Temperature, Field	11.7442	deg C			
08/15/11	L53889-31	34.9	Sample Temperature, Field	11.4599	deg C			
08/15/11	L53889-32	54.4	Sample Temperature, Field	10.8348	deg C			
08/15/11	L53889-33	74.5	Sample Temperature, Field	10.6828	deg C			
09/19/11	L54019-28	1	Sample Temperature, Field	12.5660	deg C			
09/19/11	L54019-29	15	Sample Temperature, Field	12.1723	deg C			
09/19/11	L54019-30	24.9	Sample Temperature, Field	12.1250	deg C			
09/19/11	L54019-31	34.8	Sample Temperature, Field	11.9424	deg C			
09/19/11	L54019-32	54.5	Sample Temperature, Field	11.3121	deg C			
09/19/11	L54019-33	74.3	Sample Temperature, Field	11.2045	deg C			
10/17/11	L54269-28	0.97	Sample Temperature, Field	11.8141	deg C			
10/17/11	L54269-29	14.9	Sample Temperature, Field	11.7882	deg C			
10/17/11	L54269-30	24.8	Sample Temperature, Field	11.7042	deg C			
10/17/11	L54269-31	34.7	Sample Temperature, Field	11.6820	deg C			
10/17/11	L54269-32	54.5	Sample Temperature, Field	11.6484	deg C			
10/17/11	L54269-33	74.2	Sample Temperature, Field	11.2550	deg C			
11/28/11	L54474-28	0.92	Sample Temperature, Field	10.1293	deg C			
11/28/11	L54474-29	14.8	Sample Temperature, Field	10.1928	deg C			
11/28/11	L54474-30	24.8	Sample Temperature, Field	10.2371	deg C			
11/28/11	L54474-31	34.5	Sample Temperature, Field	10.2678	deg C			
11/28/11	L54474-32	54.4	Sample Temperature, Field	10.2330	deg C			
11/28/11	L54474-33	74.2	Sample Temperature, Field	9.9237	deg C			
12/14/11	L54765-4	4.8	Sample Temperature, Field	9.5916	deg C			
12/14/11	L54765-5	49.1	Sample Temperature, Field	9.7463	deg C			
12/14/11	L54765-6	73.9	Sample Temperature, Field	9.8063	deg C			
12/19/11	L54766-28	0.83	Sample Temperature, Field	9.4059	deg C			
12/19/11	L54766-29	14.7	Sample Temperature, Field	9.4861	deg C			
12/19/11	L54766-30	24.3	Sample Temperature, Field	9.4792	deg C			
12/19/11	L54766-31	34.5	Sample Temperature, Field	9.4968	deg C			
12/19/11	L54766-32	54.3	Sample Temperature, Field	9.5736	deg C			
12/19/11	L54766-33	74	Sample Temperature, Field	9.6123	deg C			
01/23/12	L54840-28	1.1	Sample Temperature, Field	8.0020	deg C			
01/23/12	L54840-29	15	Sample Temperature, Field	8.1946	deg C			
01/23/12	L54840-30	24.9	Sample Temperature, Field	8.2059	deg C			
01/23/12	L54840-31	34.8	Sample Temperature, Field	8.2976	deg C			
01/23/12	L54840-32	54.5	Sample Temperature, Field	8.3578	deg C			
01/23/12	L54840-33	74.2	Sample Temperature, Field	8.5061	deg C			
02/21/12	L55087-28	1.2	Sample Temperature, Field	7.7857	deg C			

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
02/21/12	L55087-29	15.1	Sample Temperature, Field	7.9034	deg C			
02/21/12	L55087-30	25	Sample Temperature, Field	7.9004	deg C			
02/21/12	L55087-31	34.7	Sample Temperature, Field	7.9067	deg C			
02/21/12	L55087-32	54.6	Sample Temperature, Field	7.8740	deg C			
02/21/12	L55087-33	74.3	Sample Temperature, Field	7.8303	deg C			
03/19/12	L55193-28	1.1	Sample Temperature, Field	7.5551	deg C			
03/19/12	L55193-29	15.1	Sample Temperature, Field	7.6229	deg C			
03/19/12	L55193-30	25	Sample Temperature, Field	7.6242	deg C			
03/19/12	L55193-31	34.7	Sample Temperature, Field	7.6169	deg C			
03/19/12	L55193-32	54.3	Sample Temperature, Field	7.6324	deg C			
03/19/12	L55193-33	74.2	Sample Temperature, Field	7.6238	deg C			
04/16/12	L55370-28	1.1	Sample Temperature, Field	8.7083	deg C			
04/16/12	L55370-29	14.8	Sample Temperature, Field	8.0739	deg C			
04/16/12	L55370-30	24.7	Sample Temperature, Field	7.9662	deg C			
04/16/12	L55370-31	34.8	Sample Temperature, Field	7.9174	deg C			
04/16/12	L55370-32	54.5	Sample Temperature, Field	7.8889	deg C			
04/16/12	L55370-33	74.4	Sample Temperature, Field	7.7842	deg C			
05/21/12	L55534-28	1.2	Sample Temperature, Field	9.8807	deg C			
05/21/12	L55534-29	15	Sample Temperature, Field	9.3749	deg C			
05/21/12	L55534-30	24.8	Sample Temperature, Field	9.2503	deg C			
05/21/12	L55534-31	34.7	Sample Temperature, Field	8.8786	deg C			
05/21/12	L55534-32	54.3	Sample Temperature, Field	8.5957	deg C			
05/21/12	L55534-33	74.3	Sample Temperature, Field	8.4946	deg C			
06/18/12	L55788-28	1.1	Sample Temperature, Field	11.3134	deg C			
06/18/12	L55788-29	15	Sample Temperature, Field	10.8666	deg C			
06/18/12	L55788-30	25	Sample Temperature, Field	10.3363	deg C			
06/18/12	L55788-31	34.8	Sample Temperature, Field	10.1456	deg C			
06/18/12	L55788-32	54.6	Sample Temperature, Field	9.4945	deg C			
06/18/12	L55788-33	74.4	Sample Temperature, Field	9.3269	deg C			
07/16/12	L55944-28	1.1	Sample Temperature, Field	13.1777	deg C			
07/16/12	L55944-29	14.9	Sample Temperature, Field	11.5479	deg C			
07/16/12	L55944-30	24.8	Sample Temperature, Field	11.3186	deg C			
07/16/12	L55944-31	34.8	Sample Temperature, Field	10.9251	deg C			
07/16/12	L55944-32	54.7	Sample Temperature, Field	10.2938	deg C			
07/16/12	L55944-33	74.4	Sample Temperature, Field	9.9375	deg C			
07/30/12	L56062-4	5	Sample Temperature, Field	12.8533	deg C			
07/30/12	L56062-5	49.3	Sample Temperature, Field	11.1677	deg C			
07/30/12	L56062-6	74.1	Sample Temperature, Field	10.5675	deg C			
08/20/12	L56238-28	1.1	Sample Temperature, Field	13.3530	deg C			
08/20/12	L56238-29	14.9	Sample Temperature, Field	12.1511	deg C			
08/20/12	L56238-30	24.9	Sample Temperature, Field	12.0941	deg C			
08/20/12	L56238-31	34.8	Sample Temperature, Field	11.8729	deg C			
08/20/12	L56238-32	54.6	Sample Temperature, Field	10.9932	deg C			
08/20/12	L56238-33	73.1	Sample Temperature, Field	10.8896	deg C			
09/17/12	L56394-28	1	Sample Temperature, Field	13.4036	deg C			
09/17/12	L56394-29	14.6	Sample Temperature, Field	12.3247	deg C			
09/17/12	L56394-30	24.9	Sample Temperature, Field	12.1145	deg C			
09/17/12	L56394-31	34.8	Sample Temperature, Field	12.0321	deg C			
09/17/12	L56394-32	54.3	Sample Temperature, Field	11.5711	deg C			
09/17/12	L56394-33	74.3	Sample Temperature, Field	11.3472	deg C			
10/17/12	L56533-28	1	Sample Temperature, Field	12.0625	deg C			
10/17/12	L56533-29	14.7	Sample Temperature, Field	11.8270	deg C			
10/17/12	L56533-30	24.5	Sample Temperature, Field	11.7851	deg C			
10/17/12	L56533-31	34.9	Sample Temperature, Field	11.7029	deg C			
10/17/12	L56533-32	54.5	Sample Temperature, Field	11.5297	deg C			
10/17/12	L56533-33	74.5	Sample Temperature, Field	11.2218	deg C			
11/26/12	L56803-28	0.67	Sample Temperature, Field	10.4396	deg C			

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
11/26/12	L56803-29	14.3	Sample Temperature, Field	10.7089	deg C			
11/26/12	L56803-30	24.3	Sample Temperature, Field	10.7256	deg C			
11/26/12	L56803-31	34.2	Sample Temperature, Field	10.7869	deg C			
11/26/12	L56803-32	54.2	Sample Temperature, Field	10.8262	deg C			
11/26/12	L56803-33	73.9	Sample Temperature, Field	10.7409	deg C			
12/12/12	L56990-4	4.8	Sample Temperature, Field	9.8333	deg C			
12/12/12	L56990-5	49.4	Sample Temperature, Field	10.2720	deg C			
12/12/12	L56990-6	74.1	Sample Temperature, Field	10.3654	deg C			
12/18/12	L57085-28	0.58	Sample Temperature, Field	9.5942	deg C			
12/18/12	L57085-29	14.2	Sample Temperature, Field	9.9351	deg C			
12/18/12	L57085-30	24.1	Sample Temperature, Field	9.9457	deg C			
12/18/12	L57085-31	34.2	Sample Temperature, Field	9.9579	deg C			
12/18/12	L57085-32	53.8	Sample Temperature, Field	10.0196	deg C			
12/18/12	L57085-33	73.7	Sample Temperature, Field	10.0442	deg C			
01/18/11	L52381-28	1.2	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
01/18/11	L52381-29	15	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
01/18/11	L52381-30	24.9	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
01/18/11	L52381-31	34.5	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
01/18/11	L52381-32	54.4	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
01/18/11	L52381-33	74.1	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
02/22/11	L52539-28	0.89	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
02/22/11	L52539-29	14.8	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
02/22/11	L52539-30	24.6	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
02/22/11	L52539-31	34.4	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
02/22/11	L52539-32	54.1	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
02/22/11	L52539-33	73.9	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
03/21/11	L52727-28	1.4	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
03/21/11	L52727-29	15.2	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
03/21/11	L52727-30	25.1	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/21/11	L52727-31	34.9	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/21/11	L52727-32	54.9	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
03/21/11	L52727-33	74.6	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
04/19/11	L52883-28	1.2	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
04/19/11	L52883-29	15.2	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
04/19/11	L52883-30	25.1	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
04/19/11	L52883-31	34.9	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
04/19/11	L52883-32	54.8	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
04/19/11	L52883-33	74.6	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
05/16/11	L53206-28	1.2	Dissolved Oxygen, Field	10.5	mg/L		0.5	1
05/16/11	L53206-29	15	Dissolved Oxygen, Field	11.0	mg/L		0.5	1
05/16/11	L53206-30	24.9	Dissolved Oxygen, Field	9.4	mg/L		0.5	1
05/16/11	L53206-31	34.9	Dissolved Oxygen, Field	9.1	mg/L		0.5	1
05/16/11	L53206-32	54.5	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
05/16/11	L53206-33	74.5	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
06/20/11	L53331-28	1.1	Dissolved Oxygen, Field	9.0	mg/L		0.5	1
06/20/11	L53331-29	15	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
06/20/11	L53331-30	24.8	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
06/20/11	L53331-31	34.8	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
06/20/11	L53331-32	54.6	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
06/20/11	L53331-33	74.3	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
07/14/11	L53626-4	4.9	Dissolved Oxygen, Field	10.4	mg/L		0.5	1
07/14/11	L53626-5	49.8	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
07/14/11	L53626-6	74.2	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
07/18/11	L53542-28	1.2	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
07/18/11	L53542-29	15	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
07/18/11	L53542-30	24.9	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
07/18/11	L53542-31	34.8	Dissolved Oxygen, Field	7.8	mg/L		0.5	1

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/18/11	L53542-32	54.5	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
07/18/11	L53542-33	74.5	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
08/15/11	L53889-28	1.2	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
08/15/11	L53889-29	15.1	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
08/15/11	L53889-30	25	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
08/15/11	L53889-31	34.9	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
08/15/11	L53889-32	54.4	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
08/15/11	L53889-33	74.5	Dissolved Oxygen, Field	5.4	mg/L		0.5	1
09/19/11	L54019-28	1	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
09/19/11	L54019-29	15	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
09/19/11	L54019-30	24.9	Dissolved Oxygen, Field	6.3	mg/L		0.5	1
09/19/11	L54019-31	34.8	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
09/19/11	L54019-32	54.5	Dissolved Oxygen, Field	5.1	mg/L		0.5	1
09/19/11	L54019-33	74.3	Dissolved Oxygen, Field	4.9	mg/L		0.5	1
10/17/11	L54269-28	0.97	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
10/17/11	L54269-29	14.9	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
10/17/11	L54269-30	24.8	Dissolved Oxygen, Field	6.1	mg/L		0.5	1
10/17/11	L54269-31	34.7	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
10/17/11	L54269-32	54.5	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
10/17/11	L54269-33	74.2	Dissolved Oxygen, Field	5.4	mg/L		0.5	1
11/28/11	L54474-28	0.92	Dissolved Oxygen, Field	7.3	mg/L		0.5	1
11/28/11	L54474-29	14.8	Dissolved Oxygen, Field	7.1	mg/L		0.5	1
11/28/11	L54474-30	24.8	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
11/28/11	L54474-31	34.5	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
11/28/11	L54474-32	54.4	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
11/28/11	L54474-33	74.2	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
12/14/11	L54765-4	4.8	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
12/14/11	L54765-5	49.1	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
12/14/11	L54765-6	73.9	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
12/19/11	L54766-28	0.83	Dissolved Oxygen, Field	7.1	mg/L		0.5	1
12/19/11	L54766-29	14.7	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
12/19/11	L54766-30	24.3	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
12/19/11	L54766-31	34.5	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
12/19/11	L54766-32	54.3	Dissolved Oxygen, Field	6.7	mg/L		0.5	1
12/19/11	L54766-33	74	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
01/23/12	L54840-28	1.1	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
01/23/12	L54840-29	15	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
01/23/12	L54840-30	24.9	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
01/23/12	L54840-31	34.8	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
01/23/12	L54840-32	54.5	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
01/23/12	L54840-33	74.2	Dissolved Oxygen, Field	7.1	mg/L		0.5	1
02/21/12	L55087-28	1.2	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
02/21/12	L55087-29	15.1	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
02/21/12	L55087-30	25	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
02/21/12	L55087-31	34.7	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
02/21/12	L55087-32	54.6	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
02/21/12	L55087-33	74.3	Dissolved Oxygen, Field	7.5	mg/L		0.5	1
03/19/12	L55193-28	1.1	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
03/19/12	L55193-29	15.1	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
03/19/12	L55193-30	25	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
03/19/12	L55193-31	34.7	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
03/19/12	L55193-32	54.3	Dissolved Oxygen, Field	8.2	mg/L		0.5	1
03/19/12	L55193-33	74.2	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
04/16/12	L55370-28	1.1	Dissolved Oxygen, Field	10.9	mg/L		0.5	1
04/16/12	L55370-29	14.8	Dissolved Oxygen, Field	9.4	mg/L		0.5	1
04/16/12	L55370-30	24.7	Dissolved Oxygen, Field	8.9	mg/L		0.5	1
04/16/12	L55370-31	34.8	Dissolved Oxygen, Field	8.8	mg/L		0.5	1

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
04/16/12	L55370-32	54.5	Dissolved Oxygen, Field	8.6	mg/L		0.5	1
04/16/12	L55370-33	74.4	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
05/21/12	L55534-28	1.2	Dissolved Oxygen, Field	10.2	mg/L		0.5	1
05/21/12	L55534-29	15	Dissolved Oxygen, Field	9.5	mg/L		0.5	1
05/21/12	L55534-30	24.8	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
05/21/12	L55534-31	34.7	Dissolved Oxygen, Field	8.7	mg/L		0.5	1
05/21/12	L55534-32	54.3	Dissolved Oxygen, Field	8.0	mg/L		0.5	1
05/21/12	L55534-33	74.3	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
06/18/12	L55788-28	1.1	Dissolved Oxygen, Field	9.2	mg/L		0.5	1
06/18/12	L55788-29	15	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
06/18/12	L55788-30	25	Dissolved Oxygen, Field	8.4	mg/L		0.5	1
06/18/12	L55788-31	34.8	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
06/18/12	L55788-32	54.6	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
06/18/12	L55788-33	74.4	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
07/16/12	L55944-28	1.1	Dissolved Oxygen, Field	10.0	mg/L		0.5	1
07/16/12	L55944-29	14.9	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
07/16/12	L55944-30	24.8	Dissolved Oxygen, Field	8.1	mg/L		0.5	1
07/16/12	L55944-31	34.8	Dissolved Oxygen, Field	7.6	mg/L		0.5	1
07/16/12	L55944-32	54.7	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
07/16/12	L55944-33	74.4	Dissolved Oxygen, Field	5.7	mg/L		0.5	1
07/30/12	L56062-4	5	Dissolved Oxygen, Field	8.3	mg/L		0.5	1
07/30/12	L56062-5	49.3	Dissolved Oxygen, Field	6.8	mg/L		0.5	1
07/30/12	L56062-6	74.1	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
08/20/12	L56238-28	1.1	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
08/20/12	L56238-29	14.9	Dissolved Oxygen, Field	7.0	mg/L		0.5	1
08/20/12	L56238-30	24.9	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
08/20/12	L56238-31	34.8	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
08/20/12	L56238-32	54.6	Dissolved Oxygen, Field	5.3	mg/L		0.5	1
08/20/12	L56238-33	73.1	Dissolved Oxygen, Field	5.2	mg/L		0.5	1
09/17/12	L56394-28	1	Dissolved Oxygen, Field	9.6	mg/L		0.5	1
09/17/12	L56394-29	14.6	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
09/17/12	L56394-30	24.9	Dissolved Oxygen, Field	6.2	mg/L		0.5	1
09/17/12	L56394-31	34.8	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
09/17/12	L56394-32	54.3	Dissolved Oxygen, Field	5.3	mg/L		0.5	1
09/17/12	L56394-33	74.3	Dissolved Oxygen, Field	5.3	mg/L		0.5	1
10/17/12	L56533-28	1	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
10/17/12	L56533-29	14.7	Dissolved Oxygen, Field	5.9	mg/L		0.5	1
10/17/12	L56533-30	24.5	Dissolved Oxygen, Field	5.7	mg/L		0.5	1
10/17/12	L56533-31	34.9	Dissolved Oxygen, Field	5.6	mg/L		0.5	1
10/17/12	L56533-32	54.5	Dissolved Oxygen, Field	5.4	mg/L		0.5	1
10/17/12	L56533-33	74.5	Dissolved Oxygen, Field	5.3	mg/L		0.5	1
11/26/12	L56803-28	0.67	Dissolved Oxygen, Field	7.2	mg/L		0.5	1
11/26/12	L56803-29	14.3	Dissolved Oxygen, Field	6.6	mg/L		0.5	1
11/26/12	L56803-30	24.3	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
11/26/12	L56803-31	34.2	Dissolved Oxygen, Field	6.4	mg/L		0.5	1
11/26/12	L56803-32	54.2	Dissolved Oxygen, Field	6.0	mg/L		0.5	1
11/26/12	L56803-33	73.9	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
12/12/12	L56990-4	4.8	Dissolved Oxygen, Field	7.8	mg/L		0.5	1
12/12/12	L56990-5	49.4	Dissolved Oxygen, Field	6.9	mg/L		0.5	1
12/12/12	L56990-6	74.1	Dissolved Oxygen, Field	5.8	mg/L		0.5	1
08/15/11	L53889-28	1.2	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
08/15/11	L53889-29	15.1	Total Suspended Solids	1.4	mg/L	<RDL	0.5	10
08/15/11	L53889-30	25	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
08/15/11	L53889-31	34.9	Total Suspended Solids	3.2	mg/L	<RDL	0.5	10
08/15/11	L53889-32	54.4	Total Suspended Solids	1.8	mg/L	<RDL	0.5	10
08/15/11	L53889-33	74.5	Total Suspended Solids	3.3	mg/L	<RDL	0.5	10
09/19/11	L54019-28	1	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
09/19/11	L54019-29	15	Total Suspended Solids	0.6	mg/L	<RDL	0.5	10
09/19/11	L54019-30	24.9	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
09/19/11	L54019-31	34.8	Total Suspended Solids	1.1	mg/L	<RDL	0.5	10
09/19/11	L54019-32	54.5	Total Suspended Solids	2.0	mg/L	<RDL	0.5	10
09/19/11	L54019-33	74.3	Total Suspended Solids	2.5	mg/L	<RDL	0.5	10
10/17/11	L54269-28	0.97	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
10/17/11	L54269-29	14.9	Total Suspended Solids		mg/L	<MDL	1	20
10/17/11	L54269-30	24.8	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10
10/17/11	L54269-31	34.7	Total Suspended Solids	0.5	mg/L	<RDL	0.5	10
10/17/11	L54269-32	54.5	Total Suspended Solids		mg/L	<MDL	0.5	10
10/17/11	L54269-33	74.2	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
11/28/11	L54474-28	0.92	Total Suspended Solids	1.2	mg/L	<RDL	0.5	10
11/28/11	L54474-29	14.8	Total Suspended Solids	0.8	mg/L	<RDL	0.5	10
11/28/11	L54474-30	24.8	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
11/28/11	L54474-31	34.5	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
11/28/11	L54474-32	54.4	Total Suspended Solids	1.8	mg/L	<RDL	0.5	10
11/28/11	L54474-33	74.2	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10
12/19/11	L54766-28	0.83	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
12/19/11	L54766-29	14.7	Total Suspended Solids	0.8	mg/L	<RDL	0.5	10
12/19/11	L54766-30	24.3	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
12/19/11	L54766-31	34.5	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
12/19/11	L54766-32	54.3	Total Suspended Solids	1.6	mg/L	<RDL	0.5	10
12/19/11	L54766-33	74	Total Suspended Solids	1.7	mg/L	<RDL	0.5	10
01/23/12	L54840-28	1.1	Total Suspended Solids	2.4	mg/L	<RDL	0.5	10
01/23/12	L54840-29	15	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
01/23/12	L54840-30	24.9	Total Suspended Solids	0.8	mg/L	<RDL	0.5	10
01/23/12	L54840-31	34.8	Total Suspended Solids	4.8	mg/L	<RDL	0.5	10
01/23/12	L54840-32	54.5	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
01/23/12	L54840-33	74.2	Total Suspended Solids	3.3	mg/L	<RDL	0.5	10
02/21/12	L55087-28	1.2	Total Suspended Solids	0.9	mg/L	<RDL	0.5	10
02/21/12	L55087-29	15.1	Total Suspended Solids	2.0	mg/L	<RDL	0.5	10
02/21/12	L55087-30	25	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
02/21/12	L55087-31	34.7	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
02/21/12	L55087-32	54.6	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10
02/21/12	L55087-33	74.3	Total Suspended Solids	3.4	mg/L	<RDL	1	20
03/19/12	L55193-28	1.1	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10
03/19/12	L55193-29	15.1	Total Suspended Solids	2.2	mg/L	<RDL	0.5	11
03/19/12	L55193-30	25	Total Suspended Solids	1.3	mg/L	<RDL	0.5	10
03/19/12	L55193-31	34.7	Total Suspended Solids	2.6	mg/L	<RDL	0.5	10
03/19/12	L55193-32	54.3	Total Suspended Solids	2.8	mg/L	<RDL	0.5	10
03/19/12	L55193-33	74.2	Total Suspended Solids	1.5	mg/L	<RDL	0.5	10
04/16/12	L55370-28	1.1	Total Suspended Solids	3.4	mg/L	<RDL	0.5	10
04/16/12	L55370-29	14.8	Total Suspended Solids	4.6	mg/L	<RDL	1	20
04/16/12	L55370-30	24.7	Total Suspended Solids	2.4	mg/L	<RDL	0.5	10
04/16/12	L55370-31	34.8	Total Suspended Solids	3.3	mg/L	<RDL	0.5	10
04/16/12	L55370-32	54.5	Total Suspended Solids	3.9	mg/L	<RDL	0.5	10
04/16/12	L55370-33	74.4	Total Suspended Solids	2.8	mg/L	<RDL	0.5	10
05/21/12	L55534-28	1.2	Total Suspended Solids	3.6	mg/L	<RDL	1	20
05/21/12	L55534-29	15	Total Suspended Solids	3.4	mg/L	<RDL	0.5	10
05/21/12	L55534-30	24.8	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
05/21/12	L55534-31	34.7	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
05/21/12	L55534-32	54.3	Total Suspended Solids	3.3	mg/L	<RDL	0.5	10
05/21/12	L55534-33	74.3	Total Suspended Solids	3.8	mg/L	<RDL	0.5	10
06/18/12	L55788-28	1.1	Total Suspended Solids	2.7	mg/L	<RDL	0.5	10
06/18/12	L55788-29	15	Total Suspended Solids	3.1	mg/L	<RDL	0.5	10
06/18/12	L55788-30	25	Total Suspended Solids	2.0	mg/L	<RDL	0.5	10
06/18/12	L55788-31	34.8	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
06/18/12	L55788-32	54.6	Total Suspended Solids	2.9	mg/L	<RDL	0.5	10
06/18/12	L55788-33	74.4	Total Suspended Solids	3.2	mg/L	<RDL	0.5	10
07/16/12	L55944-28	1.1	Total Suspended Solids	4.5	mg/L	<RDL	0.5	10
07/16/12	L55944-29	14.9	Total Suspended Solids	2.5	mg/L	<RDL	0.5	10
07/16/12	L55944-30	24.8	Total Suspended Solids	1.9	mg/L	<RDL	0.5	10
07/16/12	L55944-31	34.8	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
07/16/12	L55944-32	54.7	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
07/16/12	L55944-33	74.4	Total Suspended Solids	4.7	mg/L	<RDL	0.5	10
08/20/12	L56238-28	1.1	Total Suspended Solids	6.9	mg/L	<RDL	0.5	10
08/20/12	L56238-29	14.9	Total Suspended Solids	7.9	mg/L	<RDL	0.5	10
08/20/12	L56238-30	24.9	Total Suspended Solids	8.1	mg/L	<RDL	0.5	10
08/20/12	L56238-31	34.8	Total Suspended Solids	7.9	mg/L	<RDL	0.5	10
08/20/12	L56238-32	54.6	Total Suspended Solids	6.0	mg/L	<RDL	0.5	10
08/20/12	L56238-33	73.1	Total Suspended Solids	7.1	mg/L	<RDL	0.5	10
09/17/12	L56394-28	1	Total Suspended Solids	5.1	mg/L	<RDL	0.5	10
09/17/12	L56394-29	14.6	Total Suspended Solids	4.0	mg/L	<RDL	1	20
09/17/12	L56394-30	24.9	Total Suspended Solids	2.2	mg/L	<RDL	0.5	10
09/17/12	L56394-31	34.8	Total Suspended Solids	2.5	mg/L	<RDL	0.5	10
09/17/12	L56394-32	54.3	Total Suspended Solids	3.3	mg/L	<RDL	0.5	10
09/17/12	L56394-33	74.3	Total Suspended Solids	5.5	mg/L	<RDL	0.5	10
10/17/12	L56533-28	1	Total Suspended Solids	2.7	mg/L	<RDL	0.5	10
10/17/12	L56533-29	14.7	Total Suspended Solids	2.3	mg/L	<RDL	0.5	10
10/17/12	L56533-30	24.5	Total Suspended Solids	2.6	mg/L	<RDL	0.5	10
10/17/12	L56533-31	34.9	Total Suspended Solids	2.1	mg/L	<RDL	0.5	10
10/17/12	L56533-32	54.5	Total Suspended Solids	2.4	mg/L	<RDL	0.5	10
10/17/12	L56533-33	74.5	Total Suspended Solids	5.6	mg/L	<RDL	0.5	10
11/26/12	L56803-28	0.67	Total Suspended Solids	8.0	mg/L	<RDL	1	20
11/26/12	L56803-29	14.3	Total Suspended Solids	3.1	mg/L	<RDL	0.5	10
11/26/12	L56803-30	24.3	Total Suspended Solids	1.0	mg/L	<RDL	0.5	10
11/26/12	L56803-31	34.2	Total Suspended Solids	4.9	mg/L	<RDL	0.5	10
11/26/12	L56803-32	54.2	Total Suspended Solids	2.6	mg/L	<RDL	0.5	10
11/26/12	L56803-33	73.9	Total Suspended Solids	4.8	mg/L	<RDL	0.5	10
01/18/11	L52381-28	1.2	pH, Field	7.7	pH			
01/18/11	L52381-29	15	pH, Field	7.7	pH			
01/18/11	L52381-30	24.9	pH, Field	7.7	pH			
01/18/11	L52381-31	34.5	pH, Field	7.6	pH			
01/18/11	L52381-32	54.4	pH, Field	7.6	pH			
01/18/11	L52381-33	74.1	pH, Field	7.6	pH			
02/22/11	L52539-28	0.89	pH, Field	7.7	pH			
02/22/11	L52539-29	14.8	pH, Field	7.6	pH			
02/22/11	L52539-30	24.6	pH, Field	7.6	pH			
02/22/11	L52539-31	34.4	pH, Field	7.6	pH			
02/22/11	L52539-32	54.1	pH, Field	7.6	pH			
02/22/11	L52539-33	73.9	pH, Field	7.6	pH			
03/21/11	L52727-28	1.4	pH, Field	7.7	pH			
03/21/11	L52727-29	15.2	pH, Field	7.7	pH			
03/21/11	L52727-30	25.1	pH, Field	7.7	pH			
03/21/11	L52727-31	34.9	pH, Field	7.7	pH			
03/21/11	L52727-32	54.9	pH, Field	7.7	pH			
03/21/11	L52727-33	74.6	pH, Field	7.7	pH			
04/19/11	L52883-28	1.2	pH, Field	7.9	pH			
04/19/11	L52883-29	15.2	pH, Field	7.8	pH			
04/19/11	L52883-30	25.1	pH, Field	7.8	pH			
04/19/11	L52883-31	34.9	pH, Field	7.8	pH			
04/19/11	L52883-32	54.8	pH, Field	7.8	pH			
04/19/11	L52883-33	74.6	pH, Field	7.8	pH			
05/16/11	L53206-28	1.2	pH, Field	7.9	pH			

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
05/16/11	L53206-29	15	pH, Field	7.9	pH			
05/16/11	L53206-30	24.9	pH, Field	7.7	pH			
05/16/11	L53206-31	34.9	pH, Field	7.7	pH			
05/16/11	L53206-32	54.5	pH, Field	7.7	pH			
05/16/11	L53206-33	74.5	pH, Field	7.6	pH			
06/20/11	L53331-28	1.1	pH, Field	7.8	pH			
06/20/11	L53331-29	15	pH, Field	7.8	pH			
06/20/11	L53331-30	24.8	pH, Field	7.8	pH			
06/20/11	L53331-31	34.8	pH, Field	7.8	pH			
06/20/11	L53331-32	54.6	pH, Field	7.7	pH			
06/20/11	L53331-33	74.3	pH, Field	7.7	pH			
07/14/11	L53626-4	4.9	pH, Field	8.0	pH			
07/14/11	L53626-5	49.8	pH, Field	7.8	pH			
07/14/11	L53626-6	74.2	pH, Field	7.8	pH			
07/18/11	L53542-28	1.2	pH, Field	7.9	pH			
07/18/11	L53542-29	15	pH, Field	7.8	pH			
07/18/11	L53542-30	24.9	pH, Field	7.8	pH			
07/18/11	L53542-31	34.8	pH, Field	7.8	pH			
07/18/11	L53542-32	54.5	pH, Field	7.7	pH			
07/18/11	L53542-33	74.5	pH, Field	7.6	pH			
08/15/11	L53889-28	1.2	pH, Field	7.8	pH			
08/15/11	L53889-29	15.1	pH, Field	7.7	pH			
08/15/11	L53889-30	25	pH, Field	7.7	pH			
08/15/11	L53889-31	34.9	pH, Field	7.6	pH			
08/15/11	L53889-32	54.4	pH, Field	7.6	pH			
08/15/11	L53889-33	74.5	pH, Field	7.6	pH			
09/19/11	L54019-28	1	pH, Field	7.6	pH			
09/19/11	L54019-29	15	pH, Field	7.6	pH			
09/19/11	L54019-30	24.9	pH, Field	7.6	pH			
09/19/11	L54019-31	34.8	pH, Field	7.6	pH			
09/19/11	L54019-32	54.5	pH, Field	7.5	pH			
09/19/11	L54019-33	74.3	pH, Field	7.5	pH			
10/17/11	L54269-28	0.97	pH, Field	7.6	pH			
10/17/11	L54269-29	14.9	pH, Field	7.6	pH			
10/17/11	L54269-30	24.8	pH, Field	7.6	pH			
10/17/11	L54269-31	34.7	pH, Field	7.6	pH			
10/17/11	L54269-32	54.5	pH, Field	7.6	pH			
10/17/11	L54269-33	74.2	pH, Field	7.5	pH			
11/28/11	L54474-28	0.92	pH, Field	7.5	pH			
11/28/11	L54474-29	14.8	pH, Field	7.5	pH			
11/28/11	L54474-30	24.8	pH, Field	7.4	pH			
11/28/11	L54474-31	34.5	pH, Field	7.4	pH			
11/28/11	L54474-32	54.4	pH, Field	7.4	pH			
11/28/11	L54474-33	74.2	pH, Field	7.4	pH			
12/14/11	L54765-4	4.8	pH, Field	7.4	pH			
12/14/11	L54765-5	49.1	pH, Field	7.4	pH			
12/14/11	L54765-6	73.9	pH, Field	7.4	pH			
12/19/11	L54766-28	0.83	pH, Field	7.5	pH			
12/19/11	L54766-29	14.7	pH, Field	7.5	pH			
12/19/11	L54766-30	24.3	pH, Field	7.5	pH			
12/19/11	L54766-31	34.5	pH, Field	7.4	pH			
12/19/11	L54766-32	54.3	pH, Field	7.4	pH			
12/19/11	L54766-33	74	pH, Field	7.4	pH			
07/30/12	L56062-4	5	pH, Field	7.8	pH			
07/30/12	L56062-5	49.3	pH, Field	7.7	pH			
07/30/12	L56062-6	74.1	pH, Field	7.6	pH			
12/12/12	L56990-4	4.8	pH, Field	7.6	pH			

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/12/12	L56990-5	49.4	pH, Field	7.5	pH			
12/12/12	L56990-6	74.1	pH, Field	7.5	pH			
01/18/11	L52381-28	1.2	Salinity, Field	27.272	PSS			
01/18/11	L52381-29	15	Salinity, Field	28.966	PSS			
01/18/11	L52381-30	24.9	Salinity, Field	29.057	PSS			
01/18/11	L52381-31	34.5	Salinity, Field	29.247	PSS			
01/18/11	L52381-32	54.4	Salinity, Field	29.496	PSS			
01/18/11	L52381-33	74.1	Salinity, Field	29.760	PSS			
02/22/11	L52539-28	0.89	Salinity, Field	26.528	PSS			
02/22/11	L52539-29	14.8	Salinity, Field	28.723	PSS			
02/22/11	L52539-30	24.6	Salinity, Field	28.860	PSS			
02/22/11	L52539-31	34.4	Salinity, Field	28.929	PSS			
02/22/11	L52539-32	54.1	Salinity, Field	29.056	PSS			
02/22/11	L52539-33	73.9	Salinity, Field	29.435	PSS			
03/21/11	L52727-28	1.4	Salinity, Field	23.982	PSS			
03/21/11	L52727-29	15.2	Salinity, Field	28.937	PSS			
03/21/11	L52727-30	25.1	Salinity, Field	29.006	PSS			
03/21/11	L52727-31	34.9	Salinity, Field	29.020	PSS			
03/21/11	L52727-32	54.9	Salinity, Field	29.086	PSS			
03/21/11	L52727-33	74.6	Salinity, Field	29.144	PSS			
04/19/11	L52883-28	1.2	Salinity, Field	26.637	PSS			
04/19/11	L52883-29	15.2	Salinity, Field	28.424	PSS			
04/19/11	L52883-30	25.1	Salinity, Field	28.556	PSS			
04/19/11	L52883-31	34.9	Salinity, Field	28.632	PSS			
04/19/11	L52883-32	54.8	Salinity, Field	28.732	PSS			
04/19/11	L52883-33	74.6	Salinity, Field	29.056	PSS			
05/16/11	L53206-28	1.2	Salinity, Field	24.611	PSS			
05/16/11	L53206-29	15	Salinity, Field	28.312	PSS			
05/16/11	L53206-30	24.9	Salinity, Field	28.498	PSS			
05/16/11	L53206-31	34.9	Salinity, Field	28.600	PSS			
05/16/11	L53206-32	54.5	Salinity, Field	28.785	PSS			
05/16/11	L53206-33	74.5	Salinity, Field	29.147	PSS			
06/20/11	L53331-28	1.1	Salinity, Field	28.406	PSS			
06/20/11	L53331-29	15	Salinity, Field	28.799	PSS			
06/20/11	L53331-30	24.8	Salinity, Field	28.824	PSS			
06/20/11	L53331-31	34.8	Salinity, Field	28.878	PSS			
06/20/11	L53331-32	54.6	Salinity, Field	29.228	PSS			
06/20/11	L53331-33	74.3	Salinity, Field	29.382	PSS			
07/14/11	L53626-4	4.9	Salinity, Field	28.328	PSS			
07/14/11	L53626-5	49.8	Salinity, Field	28.941	PSS			
07/14/11	L53626-6	74.2	Salinity, Field	29.183	PSS			
07/18/11	L53542-28	1.2	Salinity, Field	28.313	PSS			
07/18/11	L53542-29	15	Salinity, Field	29.023	PSS			
07/18/11	L53542-30	24.9	Salinity, Field	29.051	PSS			
07/18/11	L53542-31	34.8	Salinity, Field	29.109	PSS			
07/18/11	L53542-32	54.5	Salinity, Field	29.375	PSS			
07/18/11	L53542-33	74.5	Salinity, Field	29.610	PSS			
08/15/11	L53889-28	1.2	Salinity, Field	28.429	PSS			
08/15/11	L53889-29	15.1	Salinity, Field	29.273	PSS			
08/15/11	L53889-30	25	Salinity, Field	29.279	PSS			
08/15/11	L53889-31	34.9	Salinity, Field	29.340	PSS			
08/15/11	L53889-32	54.4	Salinity, Field	29.631	PSS			
08/15/11	L53889-33	74.5	Salinity, Field	29.740	PSS			
09/19/11	L54019-28	1	Salinity, Field	29.398	PSS			
09/19/11	L54019-29	15	Salinity, Field	29.735	PSS			
09/19/11	L54019-30	24.9	Salinity, Field	29.779	PSS			
09/19/11	L54019-31	34.8	Salinity, Field	29.831	PSS			

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
09/19/11	L54019-32	54.5	Salinity, Field	30.059	PSS			
09/19/11	L54019-33	74.3	Salinity, Field	30.138	PSS			
10/17/11	L54269-28	0.97	Salinity, Field	28.701	PSS			
10/17/11	L54269-29	14.9	Salinity, Field	30.029	PSS			
10/17/11	L54269-30	24.8	Salinity, Field	30.096	PSS			
10/17/11	L54269-31	34.7	Salinity, Field	30.114	PSS			
10/17/11	L54269-32	54.5	Salinity, Field	30.143	PSS			
10/17/11	L54269-33	74.2	Salinity, Field	30.365	PSS			
11/28/11	L54474-28	0.92	Salinity, Field	29.679	PSS			
11/28/11	L54474-29	14.8	Salinity, Field	29.953	PSS			
11/28/11	L54474-30	24.8	Salinity, Field	29.994	PSS			
11/28/11	L54474-31	34.5	Salinity, Field	30.020	PSS			
11/28/11	L54474-32	54.4	Salinity, Field	30.082	PSS			
11/28/11	L54474-33	74.2	Salinity, Field	30.257	PSS			
12/14/11	L54765-4	4.8	Salinity, Field	29.594	PSS			
12/14/11	L54765-5	49.1	Salinity, Field	29.804	PSS			
12/14/11	L54765-6	73.9	Salinity, Field	30.046	PSS			
12/19/11	L54766-28	0.83	Salinity, Field	29.372	PSS			
12/19/11	L54766-29	14.7	Salinity, Field	29.742	PSS			
12/19/11	L54766-30	24.3	Salinity, Field	29.767	PSS			
12/19/11	L54766-31	34.5	Salinity, Field	29.799	PSS			
12/19/11	L54766-32	54.3	Salinity, Field	29.849	PSS			
12/19/11	L54766-33	74	Salinity, Field	29.937	PSS			
01/23/12	L54840-28	1.1	Salinity, Field	28.917	PSS			
01/23/12	L54840-29	15	Salinity, Field	29.574	PSS			
01/23/12	L54840-30	24.9	Salinity, Field	29.588	PSS			
01/23/12	L54840-31	34.8	Salinity, Field	29.637	PSS			
01/23/12	L54840-32	54.5	Salinity, Field	29.692	PSS			
01/23/12	L54840-33	74.2	Salinity, Field	29.939	PSS			
02/21/12	L55087-28	1.2	Salinity, Field	26.640	PSS			
02/21/12	L55087-29	15.1	Salinity, Field	29.311	PSS			
02/21/12	L55087-30	25	Salinity, Field	29.353	PSS			
02/21/12	L55087-31	34.7	Salinity, Field	29.385	PSS			
02/21/12	L55087-32	54.6	Salinity, Field	29.620	PSS			
02/21/12	L55087-33	74.3	Salinity, Field	29.742	PSS			
03/19/12	L55193-28	1.1	Salinity, Field	27.601	PSS			
03/19/12	L55193-29	15.1	Salinity, Field	29.233	PSS			
03/19/12	L55193-30	25	Salinity, Field	29.285	PSS			
03/19/12	L55193-31	34.7	Salinity, Field	29.309	PSS			
03/19/12	L55193-32	54.3	Salinity, Field	29.392	PSS			
03/19/12	L55193-33	74.2	Salinity, Field	29.517	PSS			
04/16/12	L55370-28	1.1	Salinity, Field	27.318	PSS			
04/16/12	L55370-29	14.8	Salinity, Field	28.886	PSS			
04/16/12	L55370-30	24.7	Salinity, Field	28.931	PSS			
04/16/12	L55370-31	34.8	Salinity, Field	28.978	PSS			
04/16/12	L55370-32	54.5	Salinity, Field	29.039	PSS			
04/16/12	L55370-33	74.4	Salinity, Field	29.126	PSS			
05/21/12	L55534-28	1.2	Salinity, Field	27.113	PSS			
05/21/12	L55534-29	15	Salinity, Field	28.436	PSS			
05/21/12	L55534-30	24.8	Salinity, Field	28.508	PSS			
05/21/12	L55534-31	34.7	Salinity, Field	28.644	PSS			
05/21/12	L55534-32	54.3	Salinity, Field	28.968	PSS			
05/21/12	L55534-33	74.3	Salinity, Field	29.188	PSS			
06/18/12	L55788-28	1.1	Salinity, Field	27.564	PSS			
06/18/12	L55788-29	15	Salinity, Field	28.222	PSS			
06/18/12	L55788-30	25	Salinity, Field	28.573	PSS			
06/18/12	L55788-31	34.8	Salinity, Field	28.699	PSS			

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
06/18/12	L55788-32	54.6	Salinity, Field	29.072	PSS			
06/18/12	L55788-33	74.4	Salinity, Field	29.426	PSS			
07/16/12	L55944-28	1.1	Salinity, Field	27.508	PSS			
07/16/12	L55944-29	14.9	Salinity, Field	28.711	PSS			
07/16/12	L55944-30	24.8	Salinity, Field	28.831	PSS			
07/16/12	L55944-31	34.8	Salinity, Field	28.966	PSS			
07/16/12	L55944-32	54.7	Salinity, Field	29.246	PSS			
07/16/12	L55944-33	74.4	Salinity, Field	29.537	PSS			
07/30/12	L56062-4	5	Salinity, Field	28.454	PSS			
07/30/12	L56062-5	49.3	Salinity, Field	29.155	PSS			
07/30/12	L56062-6	74.1	Salinity, Field	29.426	PSS			
08/20/12	L56238-28	1.1	Salinity, Field	28.460	PSS			
08/20/12	L56238-29	14.9	Salinity, Field	29.194	PSS			
08/20/12	L56238-30	24.9	Salinity, Field	29.244	PSS			
08/20/12	L56238-31	34.8	Salinity, Field	29.297	PSS			
08/20/12	L56238-32	54.6	Salinity, Field	29.592	PSS			
08/20/12	L56238-33	73.1	Salinity, Field	29.686	PSS			
09/17/12	L56394-28	1	Salinity, Field	28.468	PSS			
09/17/12	L56394-29	14.6	Salinity, Field	29.690	PSS			
09/17/12	L56394-30	24.9	Salinity, Field	29.697	PSS			
09/17/12	L56394-31	34.8	Salinity, Field	29.736	PSS			
09/17/12	L56394-32	54.3	Salinity, Field	29.918	PSS			
09/17/12	L56394-33	74.3	Salinity, Field	30.143	PSS			
10/17/12	L56533-28	1	Salinity, Field	29.376	PSS			
10/17/12	L56533-29	14.7	Salinity, Field	30.099	PSS			
10/17/12	L56533-30	24.5	Salinity, Field	30.123	PSS			
10/17/12	L56533-31	34.9	Salinity, Field	30.164	PSS			
10/17/12	L56533-32	54.5	Salinity, Field	30.256	PSS			
10/17/12	L56533-33	74.5	Salinity, Field	30.443	PSS			
11/26/12	L56803-28	0.67	Salinity, Field	28.579	PSS			
11/26/12	L56803-29	14.3	Salinity, Field	29.914	PSS			
11/26/12	L56803-30	24.3	Salinity, Field	29.946	PSS			
11/26/12	L56803-31	34.2	Salinity, Field	29.985	PSS			
11/26/12	L56803-32	54.2	Salinity, Field	30.056	PSS			
11/26/12	L56803-33	73.9	Salinity, Field	30.159	PSS			
12/12/12	L56990-4	4.8	Salinity, Field	28.747	PSS			
12/12/12	L56990-5	49.4	Salinity, Field	29.581	PSS			
12/12/12	L56990-6	74.1	Salinity, Field	29.800	PSS			
12/18/12	L57085-28	0.58	Salinity, Field	28.367	PSS			
12/18/12	L57085-29	14.2	Salinity, Field	29.436	PSS			
12/18/12	L57085-30	24.1	Salinity, Field	29.448	PSS			
12/18/12	L57085-31	34.2	Salinity, Field	29.462	PSS			
12/18/12	L57085-32	53.8	Salinity, Field	29.500	PSS			
12/18/12	L57085-33	73.7	Salinity, Field	29.544	PSS			
07/14/11	L53626-4	4.9	Arsenic, Dissolved, ICP-MS	1.12	ug/L		0.01	0.05
07/14/11	L53626-5	49.8	Arsenic, Dissolved, ICP-MS	1.23	ug/L		0.01	0.05
07/14/11	L53626-6	74.2	Arsenic, Dissolved, ICP-MS	1.26	ug/L		0.01	0.05
12/14/11	L54765-4	4.8	Arsenic, Dissolved, ICP-MS	1.37	ug/L		0.01	0.05
12/14/11	L54765-5	49.1	Arsenic, Dissolved, ICP-MS	1.35	ug/L		0.01	0.05
12/14/11	L54765-6	73.9	Arsenic, Dissolved, ICP-MS	1.36	ug/L		0.01	0.05
07/30/12	L56062-4	5	Arsenic, Dissolved, ICP-MS	1.22	ug/L		0.01	0.05
07/30/12	L56062-5	49.3	Arsenic, Dissolved, ICP-MS	1.33	ug/L		0.01	0.05
07/30/12	L56062-6	74.1	Arsenic, Dissolved, ICP-MS	1.37	ug/L		0.01	0.05
12/12/12	L56990-4	4.8	Arsenic, Dissolved, ICP-MS	1.34	ug/L		0.01	0.05
12/12/12	L56990-5	49.4	Arsenic, Dissolved, ICP-MS	1.39	ug/L		0.01	0.05
12/12/12	L56990-6	74.1	Arsenic, Dissolved, ICP-MS	1.39	ug/L		0.01	0.05
07/14/11	L53626-4	4.9	Arsenic, Total, ICP-MS	1.14	ug/L		0.01	0.05

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/14/11	L53626-5	49.8	Arsenic, Total, ICP-MS	1.19	ug/L		0.01	0.05
07/14/11	L53626-6	74.2	Arsenic, Total, ICP-MS	1.22	ug/L		0.01	0.05
12/14/11	L54765-4	4.8	Arsenic, Total, ICP-MS	1.33	ug/L		0.01	0.05
12/14/11	L54765-5	49.1	Arsenic, Total, ICP-MS	1.34	ug/L		0.01	0.05
12/14/11	L54765-6	73.9	Arsenic, Total, ICP-MS	1.41	ug/L		0.01	0.05
07/30/12	L56062-4	5	Arsenic, Total, ICP-MS	1.20	ug/L		0.01	0.05
07/30/12	L56062-5	49.3	Arsenic, Total, ICP-MS	1.32	ug/L		0.01	0.05
07/30/12	L56062-6	74.1	Arsenic, Total, ICP-MS	1.38	ug/L		0.01	0.05
12/12/12	L56990-4	4.8	Arsenic, Total, ICP-MS	1.31	ug/L		0.01	0.05
12/12/12	L56990-5	49.4	Arsenic, Total, ICP-MS	1.37	ug/L		0.01	0.05
12/12/12	L56990-6	74.1	Arsenic, Total, ICP-MS	1.45	ug/L		0.01	0.05
07/14/11	L53626-4	4.9	Cadmium, Dissolved, ICP-MS	0.0624	ug/L		0.005	0.025
07/14/11	L53626-5	49.8	Cadmium, Dissolved, ICP-MS	0.0627	ug/L		0.005	0.025
07/14/11	L53626-6	74.2	Cadmium, Dissolved, ICP-MS	0.0679	ug/L		0.005	0.025
12/14/11	L54765-4	4.8	Cadmium, Dissolved, ICP-MS	0.0714	ug/L		0.005	0.025
12/14/11	L54765-5	49.1	Cadmium, Dissolved, ICP-MS	0.0722	ug/L		0.005	0.025
12/14/11	L54765-6	73.9	Cadmium, Dissolved, ICP-MS	0.0763	ug/L		0.005	0.025
07/30/12	L56062-4	5	Cadmium, Dissolved, ICP-MS	0.0610	ug/L		0.005	0.025
07/30/12	L56062-5	49.3	Cadmium, Dissolved, ICP-MS	0.0647	ug/L		0.005	0.025
07/30/12	L56062-6	74.1	Cadmium, Dissolved, ICP-MS	0.0689	ug/L		0.005	0.025
12/12/12	L56990-4	4.8	Cadmium, Dissolved, ICP-MS	0.0673	ug/L		0.005	0.025
12/12/12	L56990-5	49.4	Cadmium, Dissolved, ICP-MS	0.0716	ug/L		0.005	0.025
12/12/12	L56990-6	74.1	Cadmium, Dissolved, ICP-MS	0.0718	ug/L		0.005	0.025
07/14/11	L53626-4	4.9	Cadmium, Total, ICP-MS	0.0552	ug/L		0.005	0.025
07/14/11	L53626-5	49.8	Cadmium, Total, ICP-MS	0.0649	ug/L		0.005	0.025
07/14/11	L53626-6	74.2	Cadmium, Total, ICP-MS	0.0662	ug/L		0.005	0.025
12/14/11	L54765-4	4.8	Cadmium, Total, ICP-MS	0.0703	ug/L		0.005	0.025
12/14/11	L54765-5	49.1	Cadmium, Total, ICP-MS	0.0703	ug/L		0.005	0.025
12/14/11	L54765-6	73.9	Cadmium, Total, ICP-MS	0.0727	ug/L		0.005	0.025
07/30/12	L56062-4	5	Cadmium, Total, ICP-MS	0.0745	ug/L		0.005	0.025
07/30/12	L56062-5	49.3	Cadmium, Total, ICP-MS	0.0745	ug/L		0.005	0.025
07/30/12	L56062-6	74.1	Cadmium, Total, ICP-MS	0.0771	ug/L		0.005	0.025
12/12/12	L56990-4	4.8	Cadmium, Total, ICP-MS	0.0743	ug/L		0.005	0.025
12/12/12	L56990-5	49.4	Cadmium, Total, ICP-MS	0.0795	ug/L		0.005	0.025
12/12/12	L56990-6	74.1	Cadmium, Total, ICP-MS	0.0799	ug/L		0.005	0.025
07/14/11	L53626-4	4.9	Chromium, Dissolved, ICP-MS	0.099	ug/L	<RDL	0.05	0.25
07/14/11	L53626-5	49.8	Chromium, Dissolved, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
07/14/11	L53626-6	74.2	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/14/11	L54765-4	4.8	Chromium, Dissolved, ICP-MS	0.12	ug/L	<RDL	0.05	0.25
12/14/11	L54765-5	49.1	Chromium, Dissolved, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
12/14/11	L54765-6	73.9	Chromium, Dissolved, ICP-MS	0.085	ug/L	<RDL	0.05	0.25
07/30/12	L56062-4	5	Chromium, Dissolved, ICP-MS	0.14	ug/L	<RDL	0.05	0.25
07/30/12	L56062-5	49.3	Chromium, Dissolved, ICP-MS	0.13	ug/L	<RDL	0.05	0.25
07/30/12	L56062-6	74.1	Chromium, Dissolved, ICP-MS	0.14	ug/L	<RDL	0.05	0.25
12/12/12	L56990-4	4.8	Chromium, Dissolved, ICP-MS	0.097	ug/L	<RDL	0.05	0.25
12/12/12	L56990-5	49.4	Chromium, Dissolved, ICP-MS	0.087	ug/L	<RDL	0.05	0.25
12/12/12	L56990-6	74.1	Chromium, Dissolved, ICP-MS	0.099	ug/L	<RDL	0.05	0.25
07/14/11	L53626-4	4.9	Chromium, Total, ICP-MS	0.088	ug/L	<RDL	0.05	0.25
07/14/11	L53626-5	49.8	Chromium, Total, ICP-MS	0.091	ug/L	<RDL	0.05	0.25
07/14/11	L53626-6	74.2	Chromium, Total, ICP-MS	0.18	ug/L	<RDL	0.05	0.25
12/14/11	L54765-4	4.8	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/14/11	L54765-5	49.1	Chromium, Total, ICP-MS	0.12	ug/L	<RDL	0.05	0.25
12/14/11	L54765-6	73.9	Chromium, Total, ICP-MS	0.17	ug/L	<RDL	0.05	0.25
07/30/12	L56062-4	5	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
07/30/12	L56062-5	49.3	Chromium, Total, ICP-MS	0.10	ug/L	<RDL	0.05	0.25
07/30/12	L56062-6	74.1	Chromium, Total, ICP-MS	0.14	ug/L	<RDL	0.05	0.25
12/12/12	L56990-4	4.8	Chromium, Total, ICP-MS	0.097	ug/L	<RDL	0.05	0.25

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/12/12	L56990-5	49.4	Chromium, Total, ICP-MS	0.077	ug/L	<RDL	0.05	0.25
12/12/12	L56990-6	74.1	Chromium, Total, ICP-MS	0.088	ug/L	<RDL	0.05	0.25
07/14/11	L53626-4	4.9	Copper, Dissolved, ICP-MS	0.635	ug/L		0.025	0.125
07/14/11	L53626-5	49.8	Copper, Dissolved, ICP-MS	0.303	ug/L		0.025	0.125
07/14/11	L53626-6	74.2	Copper, Dissolved, ICP-MS	0.315	ug/L		0.025	0.125
12/14/11	L54765-4	4.8	Copper, Dissolved, ICP-MS	0.489	ug/L		0.025	0.125
12/14/11	L54765-5	49.1	Copper, Dissolved, ICP-MS	0.316	ug/L		0.025	0.125
12/14/11	L54765-6	73.9	Copper, Dissolved, ICP-MS	0.303	ug/L		0.025	0.125
07/30/12	L56062-4	5	Copper, Dissolved, ICP-MS	0.471	ug/L		0.025	0.125
07/30/12	L56062-5	49.3	Copper, Dissolved, ICP-MS	0.313	ug/L		0.025	0.125
07/30/12	L56062-6	74.1	Copper, Dissolved, ICP-MS	0.340	ug/L		0.025	0.125
12/12/12	L56990-4	4.8	Copper, Dissolved, ICP-MS	0.423	ug/L		0.025	0.125
12/12/12	L56990-5	49.4	Copper, Dissolved, ICP-MS	0.298	ug/L		0.025	0.125
12/12/12	L56990-6	74.1	Copper, Dissolved, ICP-MS	0.277	ug/L		0.025	0.125
07/14/11	L53626-4	4.9	Copper, Total, ICP-MS	0.516	ug/L		0.025	0.125
07/14/11	L53626-5	49.8	Copper, Total, ICP-MS	0.707	ug/L		0.025	0.125
07/14/11	L53626-6	74.2	Copper, Total, ICP-MS	0.301	ug/L		0.025	0.125
12/14/11	L54765-4	4.8	Copper, Total, ICP-MS	0.815	ug/L		0.025	0.125
12/14/11	L54765-5	49.1	Copper, Total, ICP-MS	0.473	ug/L		0.025	0.125
12/14/11	L54765-6	73.9	Copper, Total, ICP-MS	0.492	ug/L		0.025	0.125
07/30/12	L56062-4	5	Copper, Total, ICP-MS	0.602	ug/L		0.025	0.125
07/30/12	L56062-5	49.3	Copper, Total, ICP-MS	0.335	ug/L		0.025	0.125
07/30/12	L56062-6	74.1	Copper, Total, ICP-MS	0.395	ug/L		0.025	0.125
12/12/12	L56990-4	4.8	Copper, Total, ICP-MS	0.507	ug/L		0.025	0.125
12/12/12	L56990-5	49.4	Copper, Total, ICP-MS	0.303	ug/L		0.025	0.125
12/12/12	L56990-6	74.1	Copper, Total, ICP-MS	0.371	ug/L		0.025	0.125
07/14/11	L53626-4	4.9	Lead, Dissolved, ICP-MS	0.0276	ug/L		0.005	0.025
07/14/11	L53626-5	49.8	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/14/11	L53626-6	74.2	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54765-4	4.8	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54765-5	49.1	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54765-6	73.9	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/30/12	L56062-4	5	Lead, Dissolved, ICP-MS	0.0052	ug/L	<RDL	0.005	0.025
07/30/12	L56062-5	49.3	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/30/12	L56062-6	74.1	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-4	4.8	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-5	49.4	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/12	L56990-6	74.1	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/14/11	L53626-4	4.9	Lead, Total, ICP-MS		ug/L	<MDL	0.005	0.025
07/14/11	L53626-5	49.8	Lead, Total, ICP-MS	0.0449	ug/L		0.005	0.025
07/14/11	L53626-6	74.2	Lead, Total, ICP-MS	0.020	ug/L	<RDL	0.005	0.025
12/14/11	L54765-4	4.8	Lead, Total, ICP-MS	0.0267	ug/L		0.005	0.025
12/14/11	L54765-5	49.1	Lead, Total, ICP-MS	0.023	ug/L	<RDL	0.005	0.025
12/14/11	L54765-6	73.9	Lead, Total, ICP-MS	0.0842	ug/L		0.005	0.025
07/30/12	L56062-4	5	Lead, Total, ICP-MS	0.023	ug/L	<RDL	0.005	0.025
07/30/12	L56062-5	49.3	Lead, Total, ICP-MS	0.010	ug/L	<RDL	0.005	0.025
07/30/12	L56062-6	74.1	Lead, Total, ICP-MS	0.0643	ug/L		0.005	0.025
12/12/12	L56990-4	4.8	Lead, Total, ICP-MS	0.0329	ug/L		0.005	0.025
12/12/12	L56990-5	49.4	Lead, Total, ICP-MS	0.016	ug/L	<RDL	0.005	0.025
12/12/12	L56990-6	74.1	Lead, Total, ICP-MS	0.0658	ug/L		0.005	0.025
07/14/11	L53626-4	4.9	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/14/11	L53626-5	49.8	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/14/11	L53626-6	74.2	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-4	4.8	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-5	49.1	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/14/11	L54765-6	73.9	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-4	5	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/30/12	L56062-5	49.3	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-6	74.1	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-4	4.8	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-5	49.4	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
12/12/12	L56990-6	74.1	Mercury, Dissolved, CVAF		ug/L	<MDL	0.0002	0.0005
07/14/11	L53626-4	4.9	Mercury, Total, CVAF	0.00026	ug/L	<RDL	0.0002	0.0005
07/14/11	L53626-5	49.8	Mercury, Total, CVAF	0.00021	ug/L	<RDL	0.0002	0.0005
07/14/11	L53626-6	74.2	Mercury, Total, CVAF	0.00039	ug/L	<RDL	0.0002	0.0005
12/14/11	L54765-4	4.8	Mercury, Total, CVAF	0.00021	ug/L	<RDL	0.0002	0.0005
12/14/11	L54765-5	49.1	Mercury, Total, CVAF	0.00021	ug/L	<RDL	0.0002	0.0005
12/14/11	L54765-6	73.9	Mercury, Total, CVAF	0.00035	ug/L	<RDL	0.0002	0.0005
07/30/12	L56062-4	5	Mercury, Total, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-5	49.3	Mercury, Total, CVAF		ug/L	<MDL	0.0002	0.0005
07/30/12	L56062-6	74.1	Mercury, Total, CVAF	0.00020	ug/L	<RDL	0.0002	0.0005
12/12/12	L56990-4	4.8	Mercury, Total, CVAF	0.00036	ug/L	<RDL	0.0002	0.0005
12/12/12	L56990-5	49.4	Mercury, Total, CVAF	0.00028	ug/L	<RDL	0.0002	0.0005
12/12/12	L56990-6	74.1	Mercury, Total, CVAF	0.000517	ug/L		0.0002	0.0005
07/14/11	L53626-4	4.9	Nickel, Dissolved, ICP-MS	0.383	ug/L		0.025	0.125
07/14/11	L53626-5	49.8	Nickel, Dissolved, ICP-MS	0.407	ug/L		0.025	0.125
07/14/11	L53626-6	74.2	Nickel, Dissolved, ICP-MS	0.427	ug/L		0.025	0.125
12/14/11	L54765-4	4.8	Nickel, Dissolved, ICP-MS	0.431	ug/L		0.025	0.125
12/14/11	L54765-5	49.1	Nickel, Dissolved, ICP-MS	0.395	ug/L		0.025	0.125
12/14/11	L54765-6	73.9	Nickel, Dissolved, ICP-MS	0.396	ug/L		0.025	0.125
07/30/12	L56062-4	5	Nickel, Dissolved, ICP-MS	0.392	ug/L		0.025	0.125
07/30/12	L56062-5	49.3	Nickel, Dissolved, ICP-MS	0.401	ug/L		0.025	0.125
07/30/12	L56062-6	74.1	Nickel, Dissolved, ICP-MS	0.406	ug/L		0.025	0.125
12/12/12	L56990-4	4.8	Nickel, Dissolved, ICP-MS	0.432	ug/L		0.025	0.125
12/12/12	L56990-5	49.4	Nickel, Dissolved, ICP-MS	0.436	ug/L		0.025	0.125
12/12/12	L56990-6	74.1	Nickel, Dissolved, ICP-MS	0.415	ug/L		0.025	0.125
07/14/11	L53626-4	4.9	Nickel, Total, ICP-MS	0.393	ug/L		0.025	0.125
07/14/11	L53626-5	49.8	Nickel, Total, ICP-MS	0.426	ug/L		0.025	0.125
07/14/11	L53626-6	74.2	Nickel, Total, ICP-MS	0.467	ug/L		0.025	0.125
12/14/11	L54765-4	4.8	Nickel, Total, ICP-MS	0.439	ug/L		0.025	0.125
12/14/11	L54765-5	49.1	Nickel, Total, ICP-MS	0.412	ug/L		0.025	0.125
12/14/11	L54765-6	73.9	Nickel, Total, ICP-MS	0.501	ug/L		0.025	0.125
07/30/12	L56062-4	5	Nickel, Total, ICP-MS	0.409	ug/L		0.025	0.125
07/30/12	L56062-5	49.3	Nickel, Total, ICP-MS	0.416	ug/L		0.025	0.125
07/30/12	L56062-6	74.1	Nickel, Total, ICP-MS	0.415	ug/L		0.025	0.125
12/12/12	L56990-4	4.8	Nickel, Total, ICP-MS	0.410	ug/L		0.025	0.125
12/12/12	L56990-5	49.4	Nickel, Total, ICP-MS	0.408	ug/L		0.025	0.125
12/12/12	L56990-6	74.1	Nickel, Total, ICP-MS	0.405	ug/L		0.025	0.125
07/14/11	L53626-4	4.9	Silver, Dissolved, ICP-MS	0.019	ug/L	<RDL	0.01	0.05
07/14/11	L53626-5	49.8	Silver, Dissolved, ICP-MS	0.020	ug/L	<RDL	0.01	0.05
07/14/11	L53626-6	74.2	Silver, Dissolved, ICP-MS	0.019	ug/L	<RDL	0.01	0.05
12/14/11	L54765-4	4.8	Silver, Dissolved, ICP-MS	0.028	ug/L	<RDL	0.01	0.05
12/14/11	L54765-5	49.1	Silver, Dissolved, ICP-MS	0.028	ug/L	<RDL	0.01	0.05
12/14/11	L54765-6	73.9	Silver, Dissolved, ICP-MS	0.028	ug/L	<RDL	0.01	0.05
07/30/12	L56062-4	5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-5	49.3	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-6	74.1	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-4	4.8	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-5	49.4	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-6	74.1	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/14/11	L53626-4	4.9	Silver, Total, ICP-MS	0.016	ug/L	<RDL	0.01	0.05
07/14/11	L53626-5	49.8	Silver, Total, ICP-MS	0.017	ug/L	<RDL	0.01	0.05
07/14/11	L53626-6	74.2	Silver, Total, ICP-MS	0.017	ug/L	<RDL	0.01	0.05
12/14/11	L54765-4	4.8	Silver, Total, ICP-MS	0.031	ug/L	<RDL	0.01	0.05

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/14/11	L54765-5	49.1	Silver, Total, ICP-MS	0.033	ug/L	<RDL	0.01	0.05
12/14/11	L54765-6	73.9	Silver, Total, ICP-MS	0.032	ug/L	<RDL	0.01	0.05
07/30/12	L56062-4	5	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-5	49.3	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/30/12	L56062-6	74.1	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-4	4.8	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-5	49.4	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/12	L56990-6	74.1	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
07/14/11	L53626-4	4.9	Zinc, Dissolved, ICP-MS	1.01	ug/L		0.1	0.5
07/14/11	L53626-5	49.8	Zinc, Dissolved, ICP-MS	0.644	ug/L		0.1	0.5
07/14/11	L53626-6	74.2	Zinc, Dissolved, ICP-MS	0.817	ug/L		0.1	0.5
12/14/11	L54765-4	4.8	Zinc, Dissolved, ICP-MS	1.02	ug/L		0.1	0.5
12/14/11	L54765-5	49.1	Zinc, Dissolved, ICP-MS	0.543	ug/L		0.1	0.5
12/14/11	L54765-6	73.9	Zinc, Dissolved, ICP-MS	0.36	ug/L	<RDL	0.1	0.5
07/30/12	L56062-4	5	Zinc, Dissolved, ICP-MS	0.610	ug/L		0.1	0.5
07/30/12	L56062-5	49.3	Zinc, Dissolved, ICP-MS	0.30	ug/L	<RDL	0.1	0.5
07/30/12	L56062-6	74.1	Zinc, Dissolved, ICP-MS	0.39	ug/L	<RDL	0.1	0.5
12/12/12	L56990-4	4.8	Zinc, Dissolved, ICP-MS	0.858	ug/L		0.1	0.5
12/12/12	L56990-5	49.4	Zinc, Dissolved, ICP-MS	0.40	ug/L	<RDL	0.1	0.5
12/12/12	L56990-6	74.1	Zinc, Dissolved, ICP-MS	0.38	ug/L	<RDL	0.1	0.5
07/14/11	L53626-4	4.9	Zinc, Total, ICP-MS	1.01	ug/L		0.1	0.5
07/14/11	L53626-5	49.8	Zinc, Total, ICP-MS	0.734	ug/L		0.1	0.5
07/14/11	L53626-6	74.2	Zinc, Total, ICP-MS	0.520	ug/L		0.1	0.5
12/14/11	L54765-4	4.8	Zinc, Total, ICP-MS	0.905	ug/L		0.1	0.5
12/14/11	L54765-5	49.1	Zinc, Total, ICP-MS	0.43	ug/L	<RDL	0.1	0.5
12/14/11	L54765-6	73.9	Zinc, Total, ICP-MS	0.608	ug/L		0.1	0.5
07/30/12	L56062-4	5	Zinc, Total, ICP-MS	0.880	ug/L		0.1	0.5
07/30/12	L56062-5	49.3	Zinc, Total, ICP-MS	0.558	ug/L		0.1	0.5
07/30/12	L56062-6	74.1	Zinc, Total, ICP-MS	0.528	ug/L		0.1	0.5
12/12/12	L56990-4	4.8	Zinc, Total, ICP-MS	0.847	ug/L		0.1	0.5
12/12/12	L56990-5	49.4	Zinc, Total, ICP-MS	0.35	ug/L	<RDL	0.1	0.5
12/12/12	L56990-6	74.1	Zinc, Total, ICP-MS	0.45	ug/L	<RDL	0.1	0.5

Notes

Depth (m) - Depth below the water's surface (in meters) from which the sample was collected.

MDL - Method detection limit; the limit of reliable *detection* .

RDL - Reporting detection limit; the limit of reliable *quantitation* (PQL).

<MDL - Analyte was not detected

<RDL - Analyte was detected at a concentration less than the RDL.

CFU/100 ml - Colony forming units per 100 milliliters.

deg C - Degrees Celcius.

mg/L - Milligrams per liter.

PSS - Practical Salinity Scale.

ug/L - Micrograms per liter.

Table A-4

Complete Water Quality Monitoring Data for Station LTXQ01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
01/19/11	L52466-8	1	Fecal Coliform	17	CFU/100ml			
02/22/11	L52573-8	1	Fecal Coliform	7	CFU/100ml			
03/23/11	L52815-8	1	Fecal Coliform	5	CFU/100ml			
04/20/11	L53021-8	1	Fecal Coliform	5	CFU/100ml			
05/18/11	L53246-8	1	Fecal Coliform	600	CFU/100ml	JG		
06/21/11	L53436-8	1	Fecal Coliform	10	CFU/100ml			
07/19/11	L53682-12	1	Fecal Coliform	32	CFU/100ml			
08/17/11	L53914-12	1	Fecal Coliform	60	CFU/100ml			
09/21/11	L54144-8	1	Fecal Coliform	52	CFU/100ml			
10/18/11	L54463-8	1	Fecal Coliform	24	CFU/100ml			
11/29/11	L54552-8	1	Fecal Coliform	21	CFU/100ml			
12/20/11	L54823-8	1	Fecal Coliform	16	CFU/100ml			
01/25/12	L54921-8	1	Fecal Coliform	71	CFU/100ml			
02/22/12	L55105-8	1	Fecal Coliform	70	CFU/100ml			
03/21/12	L55258-8	1	Fecal Coliform	12	CFU/100ml			
04/18/12	L55459-8	1	Fecal Coliform	17	CFU/100ml			
05/23/12	L55738-8	1	Fecal Coliform	71	CFU/100ml			
06/20/12	L55903-8	1	Fecal Coliform	48	CFU/100ml			
07/18/12	L56065-8	1	Fecal Coliform	74	CFU/100ml			
08/22/12	L56245-8	1	Fecal Coliform	61	CFU/100ml			
09/19/12	L56377-8	1	Fecal Coliform	98	CFU/100ml			
10/17/12	L56718-8	1	Fecal Coliform	110	CFU/100ml			
11/28/12	L56867-8	1	Fecal Coliform	23	CFU/100ml			
12/19/12	L57120-8	1	Fecal Coliform	41	CFU/100ml			
01/19/11	L52466-8	1	Sample Temperature, Field	6.0	deg C			
02/22/11	L52573-8	1	Sample Temperature, Field	5.9	deg C			
03/23/11	L52815-8	1	Sample Temperature, Field	8.9	deg C			
04/20/11	L53021-8	1	Sample Temperature, Field	8.9	deg C			
05/18/11	L53246-8	1	Sample Temperature, Field	9.5	deg C			
06/21/11	L53436-8	1	Sample Temperature, Field	13.3	deg C			
07/19/11	L53682-12	1	Sample Temperature, Field	14.9	deg C			
08/17/11	L53914-12	1	Sample Temperature, Field	18.7	deg C			
09/21/11	L54144-8	1	Sample Temperature, Field	15.1	deg C			
10/18/11	L54463-8	1	Sample Temperature, Field	11.4	deg C			
11/29/11	L54552-8	1	Sample Temperature, Field	6.2	deg C			
12/20/11	L54823-8	1	Sample Temperature, Field	6.4	deg C			
01/25/12	L54921-8	1	Sample Temperature, Field	5.1	deg C			
02/22/12	L55105-8	1	Sample Temperature, Field	9.1	deg C			
03/21/12	L55258-8	1	Sample Temperature, Field	6.3	deg C			
04/18/12	L55459-8	1	Sample Temperature, Field	9.2	deg C			
05/23/12	L55738-8	1	Sample Temperature, Field	11.0	deg C			
06/20/12	L55903-8	1	Sample Temperature, Field	12.7	deg C			
07/18/12	L56065-8	1	Sample Temperature, Field	15.9	deg C			
08/22/12	L56245-8	1	Sample Temperature, Field	16.8	deg C			
09/19/12	L56377-8	1	Sample Temperature, Field	15.2	deg C			
10/17/12	L56718-8	1	Sample Temperature, Field	12.9	deg C			
11/28/12	L56867-8	1	Sample Temperature, Field	5.7	deg C			
12/19/12	L57120-8	1	Sample Temperature, Field	5.3	deg C			
01/19/11	L52466-8	1	Hardness, Calc	30.5	mg CaCO3/L		0.25	1.24
02/22/11	L52573-8	1	Hardness, Calc	55.3	mg CaCO3/L		0.25	1.24
03/23/11	L52815-8	1	Hardness, Calc	58.0	mg CaCO3/L		0.25	1.24
04/20/11	L53021-8	1	Hardness, Calc	68.2	mg CaCO3/L		0.25	1.24

Table A-4

Complete Water Quality Monitoring Data for Station LTXQ01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
05/18/11	L53246-8	1	Hardness, Calc	25.9	mg CaCO3/L		0.25	1.24
06/21/11	L53436-8	1	Hardness, Calc	47.1	mg CaCO3/L		0.25	1.24
07/11/11	L53619-1	0.5	Hardness, Calc	80.1	mg CaCO3/L		0.331	0.331
07/12/11	L53619-13	0.5	Hardness, Calc	82.3	mg CaCO3/L		0.331	0.331
07/12/11	L53619-2	0.5	Hardness, Calc	78.5	mg CaCO3/L		0.331	0.331
07/13/11	L53619-3	0.5	Hardness, Calc	68.9	mg CaCO3/L		0.331	0.331
07/19/11	L53682-12	1	Hardness, Calc	205	mg CaCO3/L		0.25	1.24
08/17/11	L53914-12	1	Hardness, Calc	168	mg CaCO3/L		0.74	3.71
09/21/11	L54144-8	1	Hardness, Calc	3,000	mg CaCO3/L		0.25	1.24
10/18/11	L54463-8	1	Hardness, Calc	782	mg CaCO3/L		0.25	1.24
11/29/11	L54552-8	1	Hardness, Calc	231	mg CaCO3/L		0.25	1.24
12/12/11	L54760-1	1	Hardness, Calc	653	mg CaCO3/L		1.65	1.65
12/13/11	L54760-11	1	Hardness, Calc	719	mg CaCO3/L		1.65	1.65
12/13/11	L54760-2	1	Hardness, Calc	706	mg CaCO3/L		1.65	1.65
12/14/11	L54760-3	1	Hardness, Calc	786	mg CaCO3/L		1.65	1.65
12/20/11	L54823-8	1	Hardness, Calc	1,730	mg CaCO3/L		0.25	1.24
01/25/12	L54921-8	1	Hardness, Calc	117	mg CaCO3/L		0.25	1.24
02/22/12	L55105-8	1	Hardness, Calc	26.1	mg CaCO3/L		0.25	1.24
03/21/12	L55258-8	1	Hardness, Calc	41.4	mg CaCO3/L		0.25	1.24
04/18/12	L55459-8	1	Hardness, Calc	33.4	mg CaCO3/L		0.25	1.24
05/23/12	L55738-8	1	Hardness, Calc	40.1	mg CaCO3/L		0.25	1.24
06/20/12	L55903-8	1	Hardness, Calc	41.1	mg CaCO3/L		0.25	1.24
07/18/12	L56065-8	1	Hardness, Calc	83.4	mg CaCO3/L		0.25	1.24
07/31/12	L56061-1	0.5	Hardness, Calc	76.5	mg CaCO3/L		0.331	0.331
08/01/12	L56061-2	0.5	Hardness, Calc	60.9	mg CaCO3/L		0.331	0.331
08/02/12	L56061-11	0.5	Hardness, Calc	149	mg CaCO3/L		0.331	0.331
08/02/12	L56061-3	0.5	Hardness, Calc	202	mg CaCO3/L		0.331	0.331
08/22/12	L56245-8	1	Hardness, Calc	1,850	mg CaCO3/L		0.25	1.24
09/19/12	L56377-8	1	Hardness, Calc	1,630	mg CaCO3/L		0.25	1.24
10/17/12	L56718-8	1	Hardness, Calc	592	mg CaCO3/L		0.25	1.24
11/28/12	L56867-8	1	Hardness, Calc	90.9	mg CaCO3/L		0.25	1.24
12/10/12	L56989-1	0.5	Hardness, Calc	25.6	mg CaCO3/L		0.331	0.331
12/11/12	L56989-11	0.5	Hardness, Calc	40.1	mg CaCO3/L		0.331	0.331
12/11/12	L56989-2	0.5	Hardness, Calc	41.5	mg CaCO3/L		0.331	0.331
12/13/12	L56989-3	0.5	Hardness, Calc	161	mg CaCO3/L		0.331	0.331
12/19/12	L57120-8	1	Hardness, Calc	491	mg CaCO3/L		0.25	1.24
01/19/11	L52466-8	1	Dissolved Oxygen, Field	11.8	mg/L		0.5	1
02/22/11	L52573-8	1	Dissolved Oxygen, Field	11.8	mg/L		0.5	1
03/23/11	L52815-8	1	Dissolved Oxygen, Field	8.5	mg/L		0.5	1
04/20/11	L53021-8	1	Dissolved Oxygen, Field	9.6	mg/L		0.5	1
05/18/11	L53246-8	1	Dissolved Oxygen, Field	10.8	mg/L		0.5	1
06/21/11	L53436-8	1	Dissolved Oxygen, Field	10.3	mg/L		0.5	1
07/19/11	L53682-12	1	Dissolved Oxygen, Field	9.3	mg/L		0.5	1
08/17/11	L53914-12	1	Dissolved Oxygen, Field	7.4	mg/L		0.5	1
09/21/11	L54144-8	1	Dissolved Oxygen, Field	6.5	mg/L		0.5	1
10/18/11	L54463-8	1	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
11/29/11	L54552-8	1	Dissolved Oxygen, Field	11.9	mg/L		0.5	1
12/20/11	L54823-8	1	Dissolved Oxygen, Field	10.1	mg/L		0.5	1
01/25/12	L54921-8	1	Dissolved Oxygen, Field	11.4	mg/L		0.5	1
02/22/12	L55105-8	1	Dissolved Oxygen, Field	10.0	mg/L		0.5	1
03/21/12	L55258-8	1	Dissolved Oxygen, Field	12.2	mg/L		0.5	1
04/18/12	L55459-8	1	Dissolved Oxygen, Field	10.9	mg/L		0.5	1

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Complete Water Quality Monitoring Data for Station LTXQ01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
05/23/12	L55738-8	1	Dissolved Oxygen, Field	10.7	mg/L		0.5	1
06/20/12	L55903-8	1	Dissolved Oxygen, Field	9.7	mg/L		0.5	1
07/18/12	L56065-8	1	Dissolved Oxygen, Field	7.9	mg/L		0.5	1
08/22/12	L56245-8	1	Dissolved Oxygen, Field	7.7	mg/L		0.5	1
09/19/12	L56377-8	1	Dissolved Oxygen, Field	7.1	mg/L		0.5	1
10/17/12	L56718-8	1	Dissolved Oxygen, Field	8.8	mg/L		0.5	1
11/28/12	L56867-8	1	Dissolved Oxygen, Field	11.1	mg/L		0.5	1
12/19/12	L57120-8	1	Dissolved Oxygen, Field	11.2	mg/L		0.5	1
01/19/11	L52466-8	1	Total Suspended Solids	15.8	mg/L		0.5	10
02/22/11	L52573-8	1	Total Suspended Solids	4.2	mg/L	<RDL	0.5	10
03/23/11	L52815-8	1	Total Suspended Solids	13.1	mg/L		0.5	10
04/20/11	L53021-8	1	Total Suspended Solids	20.3	mg/L		0.5	11
05/18/11	L53246-8	1	Total Suspended Solids	47.3	mg/L		0.8	17
06/21/11	L53436-8	1	Total Suspended Solids	9.8	mg/L	<RDL	0.5	10
07/19/11	L53682-12	1	Total Suspended Solids	16.0	mg/L	<RDL	1	20
09/21/11	L54144-8	1	Total Suspended Solids	5.2	mg/L	<RDL	0.5	10
10/18/11	L54463-8	1	Total Suspended Solids	2.5	mg/L	<RDL	0.5	10
11/29/11	L54552-8	1	Total Suspended Solids	11.5	mg/L		0.6	11
12/20/11	L54823-8	1	Total Suspended Solids	3.3	mg/L		0.5	1
01/25/12	L54921-8	1	Total Suspended Solids	12.0	mg/L		0.5	10
02/22/12	L55105-8	1	Total Suspended Solids	116.0	mg/L		1	20
03/21/12	L55258-8	1	Total Suspended Solids	13.5	mg/L		0.5	10
04/18/12	L55459-8	1	Total Suspended Solids	5.9	mg/L	<RDL	0.5	10
05/23/12	L55738-8	1	Total Suspended Solids	12.6	mg/L		0.5	10
06/20/12	L55903-8	1	Total Suspended Solids	11.0	mg/L	<RDL	1	20
07/18/12	L56065-8	1	Total Suspended Solids	5.9	mg/L	<RDL	0.5	11
08/22/12	L56245-8	1	Total Suspended Solids	4.7	mg/L	<RDL	0.5	10
09/19/12	L56377-8	1	Total Suspended Solids	6.7	mg/L	<RDL	0.5	10
10/17/12	L56718-8	1	Total Suspended Solids	8.6	mg/L	<RDL	1	20
12/19/12	L57120-8	1	Total Suspended Solids	6.6	mg/L	<RDL	1	20
07/11/11	L53619-1	0.5	pH, Field	7.16	pH			
07/12/11	L53619-13	0.5	pH, Field	7.16	pH			
07/12/11	L53619-2	0.5	pH, Field	7.14	pH			
07/13/11	L53619-3	0.5	pH, Field	7.15	pH			
12/12/11	L54760-1	1	pH, Field	6.96	pH			
12/13/11	L54760-11	1	pH, Field	7.15	pH			
12/13/11	L54760-2	1	pH, Field	6.90	pH			
12/14/11	L54760-3	1	pH, Field	6.85	pH			
07/31/12	L56061-1	0.5	pH, Field	7.16	pH			
08/01/12	L56061-2	0.5	pH, Field	7.15	pH			
08/02/12	L56061-11	0.5	pH, Field	7.05	pH			
08/02/12	L56061-3	0.5	pH, Field	7.07	pH			
12/10/12	L56989-1	0.5	pH, Field	7.10	pH			
12/11/12	L56989-11	0.5	pH, Field	7.27	pH			
12/11/12	L56989-2	0.5	pH, Field	7.27	pH			
12/13/12	L56989-3	0.5	pH, Field	7.09	pH			
01/19/11	L52466-8	1	Salinity		PSS	<MDL	2	3
02/22/11	L52573-8	1	Salinity		PSS	<MDL	2	3
03/23/11	L52815-8	1	Salinity		PSS	<MDL	2	3
04/20/11	L53021-8	1	Salinity		PSS	<MDL	2	3
05/18/11	L53246-8	1	Salinity		PSS	<MDL	2	3
06/21/11	L53436-8	1	Salinity		PSS	<MDL	2	3

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Complete Water Quality Monitoring Data for Station LTXQ01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/11/11	L53619-1	0.5	Salinity		PSS	<MDL	2	3
07/12/11	L53619-13	0.5	Salinity		PSS	<MDL	2	3
07/12/11	L53619-2	0.5	Salinity		PSS	<MDL	2	3
07/13/11	L53619-3	0.5	Salinity		PSS	<MDL	2	3
07/19/11	L53682-12	1	Salinity	28.809	PSS		2	3
08/17/11	L53914-12	1	Salinity	29.649	PSS		2	3
09/21/11	L54144-8	1	Salinity	11.828	PSS		2	3
10/18/11	L54463-8	1	Salinity	3.907	PSS		2	3
11/29/11	L54552-8	1	Salinity		PSS	<MDL	2	3
12/12/11	L54760-1	1	Salinity	3.985	PSS		2	3
12/13/11	L54760-11	1	Salinity	4.105	PSS		2	3
12/13/11	L54760-2	1	Salinity	4.369	PSS		2	3
12/14/11	L54760-3	1	Salinity	4.476	PSS		2	3
12/20/11	L54823-8	1	Salinity	9.102	PSS		2	3
01/25/12	L54921-8	1	Salinity		PSS	<MDL	2	3
02/22/12	L55105-8	1	Salinity		PSS	<MDL	2	3
03/21/12	L55258-8	1	Salinity		PSS	<MDL	2	3
04/18/12	L55459-8	1	Salinity	29.645	PSS		2	3
05/23/12	L55738-8	1	Salinity		PSS	<MDL	2	3
06/20/12	L55903-8	1	Salinity	25.520	PSS		2	3
07/18/12	L56065-8	1	Salinity		PSS	<MDL	2	3
07/31/12	L56061-1	0.5	Salinity		PSS	<MDL	2	3
08/01/12	L56061-2	0.5	Salinity		PSS	<MDL	2	3
08/02/12	L56061-11	0.5	Salinity		PSS	<MDL	2	3
08/02/12	L56061-3	0.5	Salinity		PSS	<MDL	2	3
08/22/12	L56245-8	1	Salinity	9.761	PSS		2	3
09/19/12	L56377-8	1	Salinity	9.132	PSS		2	3
10/17/12	L56718-8	1	Salinity	3.180	PSS		2	3
11/28/12	L56867-8	1	Salinity		PSS	<MDL	2	3
12/10/12	L56989-1	0.5	Salinity		PSS	<MDL	2	3
12/11/12	L56989-11	0.5	Salinity		PSS	<MDL	2	3
12/11/12	L56989-2	0.5	Salinity		PSS	<MDL	2	3
12/13/12	L56989-3	0.5	Salinity		PSS	<MDL	2	3
12/19/12	L57120-8	1	Salinity	2.330	PSS	<RDL	2	3
07/11/11	L53619-1	0.5	Arsenic, Dissolved, ICP-MS	0.402	ug/L		0.01	0.05
07/12/11	L53619-13	0.5	Arsenic, Dissolved, ICP-MS	0.399	ug/L		0.01	0.05
07/12/11	L53619-2	0.5	Arsenic, Dissolved, ICP-MS	0.407	ug/L		0.01	0.05
07/13/11	L53619-3	0.5	Arsenic, Dissolved, ICP-MS	0.391	ug/L		0.01	0.05
12/12/11	L54760-1	1	Arsenic, Dissolved, ICP-MS	0.413	ug/L		0.01	0.05
12/13/11	L54760-11	1	Arsenic, Dissolved, ICP-MS	0.478	ug/L		0.01	0.05
12/13/11	L54760-2	1	Arsenic, Dissolved, ICP-MS	0.459	ug/L		0.01	0.05
12/14/11	L54760-3	1	Arsenic, Dissolved, ICP-MS	0.445	ug/L		0.01	0.05
07/31/12	L56061-1	0.5	Arsenic, Dissolved, ICP-MS	0.512	ug/L		0.01	0.05
08/01/12	L56061-2	0.5	Arsenic, Dissolved, ICP-MS	0.550	ug/L		0.01	0.05
08/02/12	L56061-11	0.5	Arsenic, Dissolved, ICP-MS	0.577	ug/L		0.01	0.05
08/02/12	L56061-3	0.5	Arsenic, Dissolved, ICP-MS	0.559	ug/L		0.01	0.05
12/10/12	L56989-1	0.5	Arsenic, Dissolved, ICP-MS	0.401	ug/L		0.01	0.05
12/11/12	L56989-11	0.5	Arsenic, Dissolved, ICP-MS	0.419	ug/L		0.01	0.05
12/11/12	L56989-2	0.5	Arsenic, Dissolved, ICP-MS	0.434	ug/L		0.01	0.05
12/13/12	L56989-3	0.5	Arsenic, Dissolved, ICP-MS	0.453	ug/L		0.01	0.05
07/11/11	L53619-1	0.5	Arsenic, Total, ICP-MS	0.506	ug/L		0.01	0.05
07/12/11	L53619-13	0.5	Arsenic, Total, ICP-MS	0.537	ug/L		0.01	0.05

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Complete Water Quality Monitoring Data for Station LTXQ01

NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/12/11	L53619-2	0.5	Arsenic, Total, ICP-MS	0.555	ug/L		0.01	0.05
07/13/11	L53619-3	0.5	Arsenic, Total, ICP-MS	0.485	ug/L		0.01	0.05
12/12/11	L54760-1	1	Arsenic, Total, ICP-MS	0.656	ug/L		0.01	0.05
12/13/11	L54760-11	1	Arsenic, Total, ICP-MS	0.640	ug/L		0.01	0.05
12/13/11	L54760-2	1	Arsenic, Total, ICP-MS	0.656	ug/L		0.01	0.05
12/14/11	L54760-3	1	Arsenic, Total, ICP-MS	0.659	ug/L		0.01	0.05
07/31/12	L56061-1	0.5	Arsenic, Total, ICP-MS	0.830	ug/L		0.01	0.05
08/01/12	L56061-2	0.5	Arsenic, Total, ICP-MS	0.757	ug/L		0.01	0.05
08/02/12	L56061-11	0.5	Arsenic, Total, ICP-MS	0.762	ug/L		0.01	0.05
08/02/12	L56061-3	0.5	Arsenic, Total, ICP-MS	0.857	ug/L		0.01	0.05
12/10/12	L56989-1	0.5	Arsenic, Total, ICP-MS	0.474	ug/L		0.01	0.05
12/11/12	L56989-11	0.5	Arsenic, Total, ICP-MS	0.545	ug/L		0.01	0.05
12/11/12	L56989-2	0.5	Arsenic, Total, ICP-MS	0.538	ug/L		0.01	0.05
12/13/12	L56989-3	0.5	Arsenic, Total, ICP-MS	0.596	ug/L		0.01	0.05
07/11/11	L53619-1	0.5	Cadmium, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/12/11	L53619-13	0.5	Cadmium, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/12/11	L53619-2	0.5	Cadmium, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/13/11	L53619-3	0.5	Cadmium, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/12/11	L54760-1	1	Cadmium, Dissolved, ICP-MS	0.020	ug/L	<RDL	0.005	0.025
12/13/11	L54760-11	1	Cadmium, Dissolved, ICP-MS	0.019	ug/L	<RDL	0.005	0.025
12/13/11	L54760-2	1	Cadmium, Dissolved, ICP-MS	0.019	ug/L	<RDL	0.005	0.025
12/14/11	L54760-3	1	Cadmium, Dissolved, ICP-MS	0.022	ug/L	<RDL	0.005	0.025
07/31/12	L56061-1	0.5	Cadmium, Dissolved, ICP-MS	0.0065	ug/L	<RDL	0.005	0.025
08/01/12	L56061-2	0.5	Cadmium, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
08/02/12	L56061-11	0.5	Cadmium, Dissolved, ICP-MS	0.0074	ug/L	<RDL	0.005	0.025
08/02/12	L56061-3	0.5	Cadmium, Dissolved, ICP-MS	0.0076	ug/L	<RDL	0.005	0.025
12/10/12	L56989-1	0.5	Cadmium, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/11/12	L56989-11	0.5	Cadmium, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/11/12	L56989-2	0.5	Cadmium, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/13/12	L56989-3	0.5	Cadmium, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/11/11	L53619-1	0.5	Cadmium, Total, ICP-MS	0.0053	ug/L	<RDL	0.005	0.025
07/12/11	L53619-13	0.5	Cadmium, Total, ICP-MS	0.0067	ug/L	<RDL	0.005	0.025
07/12/11	L53619-2	0.5	Cadmium, Total, ICP-MS	0.0070	ug/L	<RDL	0.005	0.025
07/13/11	L53619-3	0.5	Cadmium, Total, ICP-MS	0.0052	ug/L	<RDL	0.005	0.025
12/12/11	L54760-1	1	Cadmium, Total, ICP-MS	0.019	ug/L	<RDL	0.005	0.025
12/13/11	L54760-11	1	Cadmium, Total, ICP-MS	0.016	ug/L	<RDL	0.005	0.025
12/13/11	L54760-2	1	Cadmium, Total, ICP-MS	0.016	ug/L	<RDL	0.005	0.025
12/14/11	L54760-3	1	Cadmium, Total, ICP-MS	0.023	ug/L	<RDL	0.005	0.025
07/31/12	L56061-1	0.5	Cadmium, Total, ICP-MS	0.012	ug/L	<RDL	0.005	0.025
08/01/12	L56061-2	0.5	Cadmium, Total, ICP-MS	0.011	ug/L	<RDL	0.005	0.025
08/02/12	L56061-11	0.5	Cadmium, Total, ICP-MS	0.014	ug/L	<RDL	0.005	0.025
08/02/12	L56061-3	0.5	Cadmium, Total, ICP-MS	0.016	ug/L	<RDL	0.005	0.025
12/10/12	L56989-1	0.5	Cadmium, Total, ICP-MS		ug/L	<MDL	0.005	0.025
12/11/12	L56989-11	0.5	Cadmium, Total, ICP-MS	0.0052	ug/L	<RDL	0.005	0.025
12/11/12	L56989-2	0.5	Cadmium, Total, ICP-MS	0.0053	ug/L	<RDL	0.005	0.025
12/13/12	L56989-3	0.5	Cadmium, Total, ICP-MS	0.0095	ug/L	<RDL	0.005	0.025
07/11/11	L53619-1	0.5	Chromium, Dissolved, ICP-MS	0.061	ug/L	<RDL	0.05	0.25
07/12/11	L53619-13	0.5	Chromium, Dissolved, ICP-MS	0.059	ug/L	<RDL	0.05	0.25
07/12/11	L53619-2	0.5	Chromium, Dissolved, ICP-MS	0.057	ug/L	<RDL	0.05	0.25
07/13/11	L53619-3	0.5	Chromium, Dissolved, ICP-MS	0.063	ug/L	<RDL	0.05	0.25
12/12/11	L54760-1	1	Chromium, Dissolved, ICP-MS	0.082	ug/L	<RDL	0.05	0.25
12/13/11	L54760-11	1	Chromium, Dissolved, ICP-MS	0.075	ug/L	<RDL	0.05	0.25

Table A-4

Complete Water Quality Monitoring Data for Station LTXQ01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/13/11	L54760-2	1	Chromium, Dissolved, ICP-MS	0.086	ug/L	<RDL	0.05	0.25
12/14/11	L54760-3	1	Chromium, Dissolved, ICP-MS	0.082	ug/L	<RDL	0.05	0.25
07/31/12	L56061-1	0.5	Chromium, Dissolved, ICP-MS	0.071	ug/L	<RDL	0.05	0.25
08/01/12	L56061-2	0.5	Chromium, Dissolved, ICP-MS	0.070	ug/L	<RDL	0.05	0.25
08/02/12	L56061-11	0.5	Chromium, Dissolved, ICP-MS		ug/L	<MDL	0.05	0.25
08/02/12	L56061-3	0.5	Chromium, Dissolved, ICP-MS	0.064	ug/L	<RDL	0.05	0.25
12/10/12	L56989-1	0.5	Chromium, Dissolved, ICP-MS	0.072	ug/L	<RDL	0.05	0.25
12/11/12	L56989-11	0.5	Chromium, Dissolved, ICP-MS	0.080	ug/L	<RDL	0.05	0.25
12/11/12	L56989-2	0.5	Chromium, Dissolved, ICP-MS	0.082	ug/L	<RDL	0.05	0.25
12/13/12	L56989-3	0.5	Chromium, Dissolved, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
07/11/11	L53619-1	0.5	Chromium, Total, ICP-MS	0.12	ug/L	<RDL	0.05	0.25
07/12/11	L53619-13	0.5	Chromium, Total, ICP-MS	0.16	ug/L	<RDL	0.05	0.25
07/12/11	L53619-2	0.5	Chromium, Total, ICP-MS	0.18	ug/L	<RDL	0.05	0.25
07/13/11	L53619-3	0.5	Chromium, Total, ICP-MS	0.11	ug/L	<RDL	0.05	0.25
12/12/11	L54760-1	1	Chromium, Total, ICP-MS	0.19	ug/L	<RDL	0.05	0.25
12/13/11	L54760-11	1	Chromium, Total, ICP-MS	0.16	ug/L	<RDL	0.05	0.25
12/13/11	L54760-2	1	Chromium, Total, ICP-MS	0.18	ug/L	<RDL	0.05	0.25
12/14/11	L54760-3	1	Chromium, Total, ICP-MS	0.18	ug/L	<RDL	0.05	0.25
07/31/12	L56061-1	0.5	Chromium, Total, ICP-MS	0.22	ug/L	<RDL	0.05	0.25
08/01/12	L56061-2	0.5	Chromium, Total, ICP-MS	0.16	ug/L	<RDL	0.05	0.25
08/02/12	L56061-11	0.5	Chromium, Total, ICP-MS	0.19	ug/L	<RDL	0.05	0.25
08/02/12	L56061-3	0.5	Chromium, Total, ICP-MS	0.22	ug/L	<RDL	0.05	0.25
12/10/12	L56989-1	0.5	Chromium, Total, ICP-MS	0.14	ug/L	<RDL	0.05	0.25
12/11/12	L56989-11	0.5	Chromium, Total, ICP-MS	0.13	ug/L	<RDL	0.05	0.25
12/11/12	L56989-2	0.5	Chromium, Total, ICP-MS	0.17	ug/L	<RDL	0.05	0.25
12/13/12	L56989-3	0.5	Chromium, Total, ICP-MS	0.21	ug/L	<RDL	0.05	0.25
07/11/11	L53619-1	0.5	Copper, Dissolved, ICP-MS	0.366	ug/L		0.025	0.125
07/12/11	L53619-13	0.5	Copper, Dissolved, ICP-MS	0.352	ug/L		0.025	0.125
07/12/11	L53619-2	0.5	Copper, Dissolved, ICP-MS	0.306	ug/L		0.025	0.125
07/13/11	L53619-3	0.5	Copper, Dissolved, ICP-MS	0.328	ug/L		0.025	0.125
12/12/11	L54760-1	1	Copper, Dissolved, ICP-MS	0.468	ug/L		0.025	0.125
12/13/11	L54760-11	1	Copper, Dissolved, ICP-MS	0.360	ug/L		0.025	0.125
12/13/11	L54760-2	1	Copper, Dissolved, ICP-MS	0.377	ug/L		0.025	0.125
12/14/11	L54760-3	1	Copper, Dissolved, ICP-MS	0.387	ug/L		0.025	0.125
07/31/12	L56061-1	0.5	Copper, Dissolved, ICP-MS	0.456	ug/L		0.025	0.125
08/01/12	L56061-2	0.5	Copper, Dissolved, ICP-MS	0.440	ug/L		0.025	0.125
08/02/12	L56061-11	0.5	Copper, Dissolved, ICP-MS	0.486	ug/L		0.025	0.125
08/02/12	L56061-3	0.5	Copper, Dissolved, ICP-MS	0.467	ug/L		0.025	0.125
12/10/12	L56989-1	0.5	Copper, Dissolved, ICP-MS	0.507	ug/L		0.025	0.125
12/11/12	L56989-11	0.5	Copper, Dissolved, ICP-MS	0.550	ug/L		0.025	0.125
12/11/12	L56989-2	0.5	Copper, Dissolved, ICP-MS	0.551	ug/L		0.025	0.125
12/13/12	L56989-3	0.5	Copper, Dissolved, ICP-MS	0.637	ug/L		0.025	0.125
07/11/11	L53619-1	0.5	Copper, Total, ICP-MS	0.613	ug/L		0.025	0.125
07/12/11	L53619-13	0.5	Copper, Total, ICP-MS	0.972	ug/L		0.025	0.125
07/12/11	L53619-2	0.5	Copper, Total, ICP-MS	1.07	ug/L		0.025	0.125
07/13/11	L53619-3	0.5	Copper, Total, ICP-MS	0.656	ug/L		0.025	0.125
12/12/11	L54760-1	1	Copper, Total, ICP-MS	0.710	ug/L		0.025	0.125
12/13/11	L54760-11	1	Copper, Total, ICP-MS	0.692	ug/L		0.025	0.125
12/13/11	L54760-2	1	Copper, Total, ICP-MS	0.894	ug/L		0.025	0.125
12/14/11	L54760-3	1	Copper, Total, ICP-MS	0.636	ug/L		0.025	0.125
07/31/12	L56061-1	0.5	Copper, Total, ICP-MS	1.18	ug/L		0.025	0.125
08/01/12	L56061-2	0.5	Copper, Total, ICP-MS	0.889	ug/L		0.025	0.125

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Complete Water Quality Monitoring Data for Station LTXQ01

NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
08/02/12	L56061-11	0.5	Copper, Total, ICP-MS	0.848	ug/L		0.025	0.125
08/02/12	L56061-3	0.5	Copper, Total, ICP-MS	1.21	ug/L		0.025	0.125
12/10/12	L56989-1	0.5	Copper, Total, ICP-MS	0.817	ug/L		0.025	0.125
12/11/12	L56989-11	0.5	Copper, Total, ICP-MS	0.979	ug/L		0.025	0.125
12/11/12	L56989-2	0.5	Copper, Total, ICP-MS	0.934	ug/L		0.025	0.125
12/13/12	L56989-3	0.5	Copper, Total, ICP-MS	1.37	ug/L		0.025	0.125
07/11/11	L53619-1	0.5	Lead, Dissolved, ICP-MS	0.013	ug/L	<RDL	0.005	0.025
07/12/11	L53619-13	0.5	Lead, Dissolved, ICP-MS	0.015	ug/L	<RDL	0.005	0.025
07/12/11	L53619-2	0.5	Lead, Dissolved, ICP-MS	0.013	ug/L	<RDL	0.005	0.025
07/13/11	L53619-3	0.5	Lead, Dissolved, ICP-MS	0.023	ug/L	<RDL	0.005	0.025
12/12/11	L54760-1	1	Lead, Dissolved, ICP-MS	0.0089	ug/L	<RDL	0.005	0.025
12/13/11	L54760-11	1	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/13/11	L54760-2	1	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
12/14/11	L54760-3	1	Lead, Dissolved, ICP-MS		ug/L	<MDL	0.005	0.025
07/31/12	L56061-1	0.5	Lead, Dissolved, ICP-MS	0.017	ug/L	<RDL	0.005	0.025
08/01/12	L56061-2	0.5	Lead, Dissolved, ICP-MS	0.017	ug/L	<RDL	0.005	0.025
08/02/12	L56061-11	0.5	Lead, Dissolved, ICP-MS	0.019	ug/L	<RDL	0.005	0.025
08/02/12	L56061-3	0.5	Lead, Dissolved, ICP-MS	0.021	ug/L	<RDL	0.005	0.025
12/10/12	L56989-1	0.5	Lead, Dissolved, ICP-MS	0.022	ug/L	<RDL	0.005	0.025
12/11/12	L56989-11	0.5	Lead, Dissolved, ICP-MS	0.025	ug/L	<RDL	0.005	0.025
12/11/12	L56989-2	0.5	Lead, Dissolved, ICP-MS	0.025	ug/L	<RDL	0.005	0.025
12/13/12	L56989-3	0.5	Lead, Dissolved, ICP-MS	0.029	ug/L		0.005	0.025
07/11/11	L53619-1	0.5	Lead, Total, ICP-MS	0.0681	ug/L		0.005	0.025
07/12/11	L53619-13	0.5	Lead, Total, ICP-MS	0.190	ug/L		0.005	0.025
07/12/11	L53619-2	0.5	Lead, Total, ICP-MS	0.172	ug/L		0.005	0.025
07/13/11	L53619-3	0.5	Lead, Total, ICP-MS	0.0920	ug/L		0.005	0.025
12/12/11	L54760-1	1	Lead, Total, ICP-MS	0.0481	ug/L		0.005	0.025
12/13/11	L54760-11	1	Lead, Total, ICP-MS	0.0573	ug/L		0.005	0.025
12/13/11	L54760-2	1	Lead, Total, ICP-MS	0.0572	ug/L		0.005	0.025
12/14/11	L54760-3	1	Lead, Total, ICP-MS	0.0566	ug/L		0.005	0.025
07/31/12	L56061-1	0.5	Lead, Total, ICP-MS	0.327	ug/L		0.005	0.025
08/01/12	L56061-2	0.5	Lead, Total, ICP-MS	0.159	ug/L		0.005	0.025
08/02/12	L56061-11	0.5	Lead, Total, ICP-MS	0.168	ug/L		0.005	0.025
08/02/12	L56061-3	0.5	Lead, Total, ICP-MS	0.297	ug/L		0.005	0.025
12/10/12	L56989-1	0.5	Lead, Total, ICP-MS	0.0859	ug/L		0.005	0.025
12/11/12	L56989-11	0.5	Lead, Total, ICP-MS	0.115	ug/L		0.005	0.025
12/11/12	L56989-2	0.5	Lead, Total, ICP-MS	0.109	ug/L		0.005	0.025
12/13/12	L56989-3	0.5	Lead, Total, ICP-MS	0.178	ug/L		0.005	0.025
07/11/11	L53619-1	0.5	Mercury, Dissolved, CVAF	0.00043	ug/L	<RDL	0.0002	0.0005
07/12/11	L53619-13	0.5	Mercury, Dissolved, CVAF	0.00047	ug/L	<RDL	0.0002	0.0005
07/12/11	L53619-2	0.5	Mercury, Dissolved, CVAF	0.00035	ug/L	<RDL	0.0002	0.0005
07/13/11	L53619-3	0.5	Mercury, Dissolved, CVAF	0.00047	ug/L	<RDL	0.0002	0.0005
12/12/11	L54760-1	1	Mercury, Dissolved, CVAF	0.00033	ug/L	<RDL	0.0002	0.0005
12/13/11	L54760-11	1	Mercury, Dissolved, CVAF	0.00029	ug/L	<RDL	0.0002	0.0005
12/13/11	L54760-2	1	Mercury, Dissolved, CVAF	0.00033	ug/L	<RDL	0.0002	0.0005
12/14/11	L54760-3	1	Mercury, Dissolved, CVAF	0.00024	ug/L	<RDL	0.0002	0.0005
07/31/12	L56061-1	0.5	Mercury, Dissolved, CVAF	0.00030	ug/L	<RDL	0.0002	0.0005
08/01/12	L56061-2	0.5	Mercury, Dissolved, CVAF	0.00035	ug/L	<RDL	0.0002	0.0005
08/02/12	L56061-11	0.5	Mercury, Dissolved, CVAF	0.00034	ug/L	<RDL	0.0002	0.0005
08/02/12	L56061-3	0.5	Mercury, Dissolved, CVAF	0.00032	ug/L	<RDL	0.0002	0.0005
12/10/12	L56989-1	0.5	Mercury, Dissolved, CVAF	0.000884	ug/L		0.0002	0.0005
12/11/12	L56989-11	0.5	Mercury, Dissolved, CVAF	0.000746	ug/L		0.0002	0.0005

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Complete Water Quality Monitoring Data for Station LTXQ01

NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/11/12	L56989-2	0.5	Mercury, Dissolved, CVAF	0.000683	ug/L		0.0002	0.0005
12/13/12	L56989-3	0.5	Mercury, Dissolved, CVAF	0.000772	ug/L		0.0002	0.0005
07/11/11	L53619-1	0.5	Mercury, Total, CVAF	0.000870	ug/L		0.0002	0.0005
07/12/11	L53619-13	0.5	Mercury, Total, CVAF	0.00199	ug/L		0.0002	0.0005
07/12/11	L53619-2	0.5	Mercury, Total, CVAF	0.00146	ug/L		0.0002	0.0005
07/13/11	L53619-3	0.5	Mercury, Total, CVAF	0.00117	ug/L		0.0002	0.0005
12/12/11	L54760-1	1	Mercury, Total, CVAF	0.00114	ug/L		0.0002	0.0005
12/13/11	L54760-11	1	Mercury, Total, CVAF	0.000608	ug/L		0.0002	0.0005
12/13/11	L54760-2	1	Mercury, Total, CVAF	0.000560	ug/L		0.0002	0.0005
12/14/11	L54760-3	1	Mercury, Total, CVAF	0.000656	ug/L		0.0002	0.0005
07/31/12	L56061-1	0.5	Mercury, Total, CVAF	0.00158	ug/L		0.0002	0.0005
08/01/12	L56061-2	0.5	Mercury, Total, CVAF	0.00128	ug/L		0.0002	0.0005
08/02/12	L56061-11	0.5	Mercury, Total, CVAF	0.00113	ug/L		0.0002	0.0005
08/02/12	L56061-3	0.5	Mercury, Total, CVAF	0.00132	ug/L		0.0002	0.0005
12/10/12	L56989-1	0.5	Mercury, Total, CVAF	0.00125	ug/L		0.0002	0.0005
12/11/12	L56989-11	0.5	Mercury, Total, CVAF	0.00141	ug/L		0.0002	0.0005
12/11/12	L56989-2	0.5	Mercury, Total, CVAF	0.00133	ug/L		0.0002	0.0005
12/13/12	L56989-3	0.5	Mercury, Total, CVAF	0.00192	ug/L		0.0002	0.0005
07/11/11	L53619-1	0.5	Nickel, Dissolved, ICP-MS	0.265	ug/L		0.025	0.125
07/12/11	L53619-13	0.5	Nickel, Dissolved, ICP-MS	0.230	ug/L		0.025	0.125
07/12/11	L53619-2	0.5	Nickel, Dissolved, ICP-MS	0.216	ug/L		0.025	0.125
07/13/11	L53619-3	0.5	Nickel, Dissolved, ICP-MS	0.224	ug/L		0.025	0.125
12/12/11	L54760-1	1	Nickel, Dissolved, ICP-MS	0.830	ug/L		0.025	0.125
12/13/11	L54760-11	1	Nickel, Dissolved, ICP-MS	0.951	ug/L		0.025	0.125
12/13/11	L54760-2	1	Nickel, Dissolved, ICP-MS	0.981	ug/L		0.025	0.125
12/14/11	L54760-3	1	Nickel, Dissolved, ICP-MS	1.09	ug/L		0.025	0.125
07/31/12	L56061-1	0.5	Nickel, Dissolved, ICP-MS	0.327	ug/L		0.025	0.125
08/01/12	L56061-2	0.5	Nickel, Dissolved, ICP-MS	0.260	ug/L		0.025	0.125
08/02/12	L56061-11	0.5	Nickel, Dissolved, ICP-MS	0.274	ug/L		0.025	0.125
08/02/12	L56061-3	0.5	Nickel, Dissolved, ICP-MS	0.319	ug/L		0.025	0.125
12/10/12	L56989-1	0.5	Nickel, Dissolved, ICP-MS	0.156	ug/L		0.025	0.125
12/11/12	L56989-11	0.5	Nickel, Dissolved, ICP-MS	0.169	ug/L		0.025	0.125
12/11/12	L56989-2	0.5	Nickel, Dissolved, ICP-MS	0.180	ug/L		0.025	0.125
12/13/12	L56989-3	0.5	Nickel, Dissolved, ICP-MS	0.212	ug/L		0.025	0.125
07/11/11	L53619-1	0.5	Nickel, Total, ICP-MS	0.312	ug/L		0.025	0.125
07/12/11	L53619-13	0.5	Nickel, Total, ICP-MS	0.411	ug/L		0.025	0.125
07/12/11	L53619-2	0.5	Nickel, Total, ICP-MS	0.431	ug/L		0.025	0.125
07/13/11	L53619-3	0.5	Nickel, Total, ICP-MS	0.271	ug/L		0.025	0.125
12/12/11	L54760-1	1	Nickel, Total, ICP-MS	0.917	ug/L		0.025	0.125
12/13/11	L54760-11	1	Nickel, Total, ICP-MS	1.02	ug/L		0.025	0.125
12/13/11	L54760-2	1	Nickel, Total, ICP-MS	0.951	ug/L		0.025	0.125
12/14/11	L54760-3	1	Nickel, Total, ICP-MS	0.748	ug/L		0.025	0.125
07/31/12	L56061-1	0.5	Nickel, Total, ICP-MS	0.61	ug/L	<RDL	0.13	0.625
08/01/12	L56061-2	0.5	Nickel, Total, ICP-MS	0.645	ug/L		0.13	0.625
08/02/12	L56061-11	0.5	Nickel, Total, ICP-MS	0.41	ug/L	<RDL	0.13	0.625
08/02/12	L56061-3	0.5	Nickel, Total, ICP-MS	0.656	ug/L		0.13	0.625
12/10/12	L56989-1	0.5	Nickel, Total, ICP-MS	0.242	ug/L		0.025	0.125
12/11/12	L56989-11	0.5	Nickel, Total, ICP-MS	0.315	ug/L		0.025	0.125
12/11/12	L56989-2	0.5	Nickel, Total, ICP-MS	0.316	ug/L		0.025	0.125
12/13/12	L56989-3	0.5	Nickel, Total, ICP-MS	0.388	ug/L		0.025	0.125
07/11/11	L53619-1	0.5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/12/11	L53619-13	0.5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05

Table A-4

Complete Water Quality Monitoring Data for Station LTXQ01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
07/12/11	L53619-2	0.5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/13/11	L53619-3	0.5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/11	L54760-1	1	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/13/11	L54760-11	1	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/13/11	L54760-2	1	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/14/11	L54760-3	1	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
07/31/12	L56061-1	0.5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
08/01/12	L56061-2	0.5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
08/02/12	L56061-11	0.5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
08/02/12	L56061-3	0.5	Silver, Dissolved, ICP-MS		ug/L	<MDL	0.01	0.05
12/10/12	L56989-1	0.5	Silver, Dissolved, ICP-MS	0.022	ug/L	<RDL	0.01	0.05
12/11/12	L56989-11	0.5	Silver, Dissolved, ICP-MS	0.017	ug/L	<RDL	0.01	0.05
12/11/12	L56989-2	0.5	Silver, Dissolved, ICP-MS	0.022	ug/L	<RDL	0.01	0.05
12/13/12	L56989-3	0.5	Silver, Dissolved, ICP-MS	0.021	ug/L	<RDL	0.01	0.05
07/11/11	L53619-1	0.5	Silver, Total, ICP-MS	0.010	ug/L	<RDL	0.01	0.05
07/12/11	L53619-13	0.5	Silver, Total, ICP-MS	0.014	ug/L	<RDL	0.01	0.05
07/12/11	L53619-2	0.5	Silver, Total, ICP-MS	0.014	ug/L	<RDL	0.01	0.05
07/13/11	L53619-3	0.5	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
12/12/11	L54760-1	1	Silver, Total, ICP-MS	0.012	ug/L	<RDL	0.01	0.05
12/13/11	L54760-11	1	Silver, Total, ICP-MS	0.012	ug/L	<RDL	0.01	0.05
12/13/11	L54760-2	1	Silver, Total, ICP-MS	0.012	ug/L	<RDL	0.01	0.05
12/14/11	L54760-3	1	Silver, Total, ICP-MS	0.011	ug/L	<RDL	0.01	0.05
07/31/12	L56061-1	0.5	Silver, Total, ICP-MS	0.016	ug/L	<RDL	0.01	0.05
08/01/12	L56061-2	0.5	Silver, Total, ICP-MS		ug/L	<MDL	0.01	0.05
08/02/12	L56061-11	0.5	Silver, Total, ICP-MS	0.011	ug/L	<RDL	0.01	0.05
08/02/12	L56061-3	0.5	Silver, Total, ICP-MS	0.015	ug/L	<RDL	0.01	0.05
12/10/12	L56989-1	0.5	Silver, Total, ICP-MS	0.033	ug/L	<RDL	0.01	0.05
12/11/12	L56989-11	0.5	Silver, Total, ICP-MS	0.0506	ug/L		0.01	0.05
12/11/12	L56989-2	0.5	Silver, Total, ICP-MS	0.038	ug/L	<RDL	0.01	0.05
12/13/12	L56989-3	0.5	Silver, Total, ICP-MS	0.0524	ug/L		0.01	0.05
07/11/11	L53619-1	0.5	Zinc, Dissolved, ICP-MS	0.554	ug/L		0.1	0.5
07/12/11	L53619-13	0.5	Zinc, Dissolved, ICP-MS	0.611	ug/L		0.1	0.5
07/12/11	L53619-2	0.5	Zinc, Dissolved, ICP-MS	0.47	ug/L	<RDL	0.1	0.5
07/13/11	L53619-3	0.5	Zinc, Dissolved, ICP-MS	0.546	ug/L		0.1	0.5
12/12/11	L54760-1	1	Zinc, Dissolved, ICP-MS	1.27	ug/L		0.1	0.5
12/13/11	L54760-11	1	Zinc, Dissolved, ICP-MS	0.938	ug/L		0.1	0.5
12/13/11	L54760-2	1	Zinc, Dissolved, ICP-MS	0.988	ug/L		0.1	0.5
12/14/11	L54760-3	1	Zinc, Dissolved, ICP-MS	1.15	ug/L		0.1	0.5
07/31/12	L56061-1	0.5	Zinc, Dissolved, ICP-MS	1.12	ug/L		0.1	0.5
08/01/12	L56061-2	0.5	Zinc, Dissolved, ICP-MS	0.813	ug/L		0.1	0.5
08/02/12	L56061-11	0.5	Zinc, Dissolved, ICP-MS	0.46	ug/L	<RDL	0.1	0.5
08/02/12	L56061-3	0.5	Zinc, Dissolved, ICP-MS	0.575	ug/L		0.1	0.5
12/10/12	L56989-1	0.5	Zinc, Dissolved, ICP-MS	0.628	ug/L		0.1	0.5
12/11/12	L56989-11	0.5	Zinc, Dissolved, ICP-MS	0.684	ug/L		0.1	0.5
12/11/12	L56989-2	0.5	Zinc, Dissolved, ICP-MS	0.757	ug/L		0.1	0.5
12/13/12	L56989-3	0.5	Zinc, Dissolved, ICP-MS	0.814	ug/L		0.1	0.5
07/11/11	L53619-1	0.5	Zinc, Total, ICP-MS	0.867	ug/L		0.1	0.5
07/12/11	L53619-13	0.5	Zinc, Total, ICP-MS	1.33	ug/L		0.1	0.5
07/12/11	L53619-2	0.5	Zinc, Total, ICP-MS	1.28	ug/L		0.1	0.5
07/13/11	L53619-3	0.5	Zinc, Total, ICP-MS	0.938	ug/L		0.1	0.5
12/12/11	L54760-1	1	Zinc, Total, ICP-MS	1.20	ug/L		0.1	0.5
12/13/11	L54760-11	1	Zinc, Total, ICP-MS	1.13	ug/L		0.1	0.5

Table A-4

Complete Water Quality Monitoring Data for Station LTXQ01
NPDES Receiving Water Characterization Study

Date	Sample	Depth (m)	Parameter	Value	Units	Qualifier	MDL	RDL
12/13/11	L54760-2	1	Zinc, Total, ICP-MS	1.28	ug/L		0.1	0.5
12/14/11	L54760-3	1	Zinc, Total, ICP-MS	1.32	ug/L		0.1	0.5
07/31/12	L56061-1	0.5	Zinc, Total, ICP-MS	2.16	ug/L		0.1	0.5
08/01/12	L56061-2	0.5	Zinc, Total, ICP-MS	1.28	ug/L		0.1	0.5
08/02/12	L56061-11	0.5	Zinc, Total, ICP-MS	1.28	ug/L		0.1	0.5
08/02/12	L56061-3	0.5	Zinc, Total, ICP-MS	1.87	ug/L		0.1	0.5
12/10/12	L56989-1	0.5	Zinc, Total, ICP-MS	0.711	ug/L		0.1	0.5
12/11/12	L56989-11	0.5	Zinc, Total, ICP-MS	1.08	ug/L		0.1	0.5
12/11/12	L56989-2	0.5	Zinc, Total, ICP-MS	1.07	ug/L		0.1	0.5
12/13/12	L56989-3	0.5	Zinc, Total, ICP-MS	1.75	ug/L		0.1	0.5

Notes

Depth (m) - Depth below the water's surface (in meters) from which the sample was collected.
MDL - Method detection limit; the limit of reliable *detection* .
RDL - Reporting detection limit; the limit of reliable *quantitation* (PQL).
<MDL - Analyte was not detected
<RDL - Analyte was detected at a concentration less than the RDL.
CFU/100 ml - Colony forming units per 100 milliliters.
deg C - Degrees Celcius.
mg/L - Milligrams per liter.
mg CaCO3/L - Milligrams of calcium carbonate per liter.
PSS - Practical Salinity Scale.
ug/L - Micrograms per liter.
JG - Analytical result is an estimate with a probable low bias.

Technical Memorandum

Date: April 19, 2013

To: Project File

From: Scott Mickelson, King County Marine and Sediment Assessment Group

Subject: Data Validation Report
NPDES Receiving Water Trace Metals Characterization Study

This technical memorandum summarizes the data validation review performed on Puget Sound, Elliott Bay, and Duwamish River water samples collected between July 2011 and December 2012. These 44 samples were analyzed for total and dissolved arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc. A subset of 16 samples, collected from one of the Puget Sound sampling locations were also analyzed for total and dissolved antimony. A second subset of 16 samples, collected from the Duwamish River sampling location were also analyzed for hardness. This work was performed as one task in King County's NPDES Receiving Water Characterization Study for its four wastewater treatment plants and four CSO storage and treatment facilities.

1.0 Introduction

This data validation review has been based, in part, on guidance found in *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review* (EPA 2010), as well as the project sampling and analysis plan (King County 2010). Materials reviewed included Batch Reports and Analytical Quality Control (QC) Reports downloaded from the King County Laboratory Information System (LIMS) database, along with data anomaly forms, all of which are included in this memorandum as Attachment A. The QC parameters reviewed during this data validation include; holding times, method blanks, spike blanks, matrix spikes, matrix spike duplicates, and laboratory duplicates, which are described below. The numbers and types of QC samples analyzed with each analytical sample batch (work group) are discussed in each of the following sections.

1.1 Holding Time

The analytical holding time is a method-specific timeframe, during which sample preparation and analysis should occur to provide valid data. All samples should be analyzed within this prescribed holding time.

1.2 Method Blank

A method blank is an aliquot of clean reference matrix that is generally processed through the entire analytical procedure. Analysis of the method blank is used to evaluate the levels of contamination that might be associated with the processing and analysis of samples. All method blank results should be less than the method detection limit (MDL). Method blanks were included with all analyses.

1.3 Spike Blank

A spike blank is an aliquot of the clean reference matrix used for the method blank, to which a known concentration of target analyte(s) has been added. The spiked aliquot is processed through the entire analytical procedure. Analysis of the spike blank is used as an indicator of method accuracy. Spike blanks were used as part of the QC regimen for all analyses. Spike blanks are not addressed in the *National Functional Guidelines*, however, King County has method-defined or empirically-derived control limits for spike blank analytes, which are shown on the attached QC reports. Spike blank results should be within these control limits.

1.4 Matrix Spike

A matrix spike is a sample aliquot fortified with a known concentration of a target analyte(s). The spiked sample is processed through the entire analytical procedure. Analysis of the matrix spike is used as an indicator of sample matrix effect on the recovery of target analyte(s). Matrix spike analysis was used as part of the QC regimen for all analyses. Matrix spike recoveries for total and dissolved metals should be within 75 to 125% (EPA 2010).

1.5 Matrix Spike Duplicate

A matrix spike duplicate is a second sample aliquot fortified with a known concentration of a target analyte(s). The spiked sample is processed through the entire analytical procedure. Matrix spike duplicates were analyzed as part of the QC regimen for mercury and ICP-MS metals. Analysis of the matrix spike duplicate is used as an additional indicator of sample matrix effect on the recovery of target analyte(s) as well as an indicator of method precision. QC results are reported as a relative percent difference (RPD) between the sample and laboratory duplicate results. The RPD between matrix and matrix spike duplicate results should be less than 20% (EPA 2010).

1.6 Laboratory Duplicate

A laboratory duplicate is a second aliquot of a sample, processed concurrently and in an identical manner with the original sample. Analysis of the laboratory duplicate is used as an indicator of method precision. The laboratory duplicate can also be used to provide information regarding the homogeneity of the sample matrix. QC results are reported as a relative percent difference (RPD) between the sample and laboratory duplicate results. Laboratory duplicates were used as part of the QC regimen for hardness analysis. The RPD between laboratory duplicate results should be less than 20% for all hardness analysis (EPA 2010).

2.0 HARDNESS CALCULATION

Sixteen samples were submitted for analysis of hardness, based on the calculation method of calcium and magnesium. Calcium and magnesium were analyzed by inductively coupled plasma mass spectrometry (ICP-MS) according to EPA Method 200.8 (EPA 1994). Associated QC samples analyzed with each work group included method blanks, spike blanks, matrix spikes, and laboratory duplicates.

2.1 Holding Times

All 16 samples were analyzed within the method-specified 6-month holding time.

2.2 Method Blanks

All calcium and magnesium method blank results were less than the MDL, indicating that laboratory contamination was not an issue during sample digestion and analysis.

2. 3 Spike Blanks

All calcium and magnesium spike blank results were within the empirically-derived laboratory QC limits of 85 to 115%, ranging from 91 to 105%, indicating acceptable overall method accuracy.

2.4 Matrix Spikes

Calcium and magnesium recoveries in the matrix spike associated with work group WG119704 were outside the 75 to 125% laboratory QC limits recommended in *National Functional Guidelines*. Background calcium and magnesium concentrations in the sample on which the matrix spike analysis was performed, however, were both greater than four times the concentrations in the spiking solution. As a result, associated sample data will not be qualified based on matrix spike recoveries (EPA 2010). All other calcium and magnesium matrix spike recoveries were within the 75 to 125% laboratory QC limits, ranging from 75 to 103%, indicating acceptable matrix-specific method accuracy.

2.5 Laboratory Duplicates

The RPDs between calcium and magnesium laboratory duplicate results were all less than the 20% QC limit recommended in *National Functional Guidelines*, ranging from 1 to 5%.

3.0 Total and Dissolved Mercury

A total of 44 samples were submitted for analysis of total and dissolved mercury by cold vapor atomic fluorescence (CVAF) according to EPA Method 1631E (EPA 2002) . Associated QC samples analyzed with each work group included three method blanks, a spike blank, a matrix spike, and matrix spike duplicate.

3.1 Holding Time

All 44 total and dissolved mercury samples were analyzed within the method-specified 28-day holding time.

3.2 Method Blanks

All total and dissolved mercury method blank results were less than the MDL, indicating that laboratory contamination was not an issue during sample digestion and analysis.

3.3 Spike Blanks

All total and dissolved mercury spike blank results were within the empirically-derived laboratory QC limits of 77 to 123%, ranging from 89 to 102%, indicating acceptable overall method accuracy.

3.4 Matrix Spikes and Matrix Spike Duplicates

All total and dissolved mercury matrix spike recoveries were within the 75 to 125% laboratory QC limits recommended in *National Functional Guidelines*, ranging from 79 to 104%, indicating acceptable matrix-specific method accuracy. The RPDs between matrix spike and matrix spike duplicate results were all less than the 20% laboratory QC limit, ranging from 0 to 8%, indicating acceptable method precision.

4.0 Total and Dissolved Metals by ICP-MS

A total of 44 samples were submitted for analysis of total and dissolved arsenic, cadmium, chromium, copper, lead, nickel, silver, and zinc by ICP-MS according to EPA Method 1640 (EPA 1997). A subset of 16 samples, collected from one of the Puget Sound sampling locations were also analyzed for total and dissolved antimony. Associated QC samples analyzed with each work group included method blanks, spike blanks, matrix spikes, and laboratory duplicates.

4.1 Holding Time

All 44 samples were analyzed within the method-specified 6-month holding time.

4.2 Method Blanks

Copper was detected in both method blanks associated with work group WG116287 at concentrations of 0.029 and 0.037 µg/L. Copper was also detected in the method blank associated with work group WG119016 at a concentration of 0.026 µg/L. Total copper concentrations in the samples associated with these work groups were all greater than 10 times the concentrations detected in the method blanks, therefore, sample data will not be qualified based on these method blank results. All other total and dissolved metals method blank results were less than the MDL.

4.3 Spike Blanks

All total and dissolved spike blank results were within the empirically-derived laboratory QC limits of 75 to 125%, ranging from 75 to 111%, indicating acceptable overall method accuracy.

4.4 Matrix Spikes/Matrix Spike Duplicates

The antimony recovery of 130% in the matrix spike duplicate associated with work group WG116281 exceeded the upper laboratory QC limit of 125%. Antimony, however, was not an analyte of interest in any of the samples associated with this work group. All other total and dissolved metals matrix spike recoveries were within the 75 to 125% laboratory QC limits

recommended in *National Functional Guidelines*, ranging from 76 to 125%, indicating acceptable matrix-specific method accuracy. The RPDs between matrix spike and matrix spike duplicate results were all less than the 20% laboratory QC limit, ranging from 0 to 15%, indicating acceptable method precision.

5.0 DATA USABILITY

As a general data reporting format, total and dissolved metals sample results that are reported as "<MDL" should be assigned a "U" flag in all cases and considered undetected. Total and dissolved metals sample results that are reported as "<RDL" should be assigned a "J" flag in all cases and considered estimated with an unknown bias. All other total and dissolved metals sample results, as well as calculated hardness samples results, in this dataset may be used as reported, without qualification.

6.0 References

EPA 1994. *Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma – Mass Spectrometry*. *Method 200.8, Revision 5.4*. United States Environmental Protection Agency, Office of Research and Development. Cincinnati, Ohio.

EPA 1997. Method 1640: Determination of Trace Elements in Water by Preconcentration and Inductively Coupled Plasma – Mass Spectrometry. United States Environmental Protection Agency Office of Water. Washington, DC.

EPA 2002. *Method 1631, Revision E: Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence*. EPA-821-R-02-019. United States Environmental Protection Agency, Office of Water. Washington, D.C. August 2002.

EPA 2010. *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Inorganic Data Review.* OSWER 9240.1-51, USEPA-540-R-10-011. United States Environmental Protection Agency. Washington, D.C. January 2010.

King County 2010. *Receiving Water Characterization Study, King County NPDES Monitoring Program, Final Sampling and Analysis Plan and Quality Assurance Project Plan*. King County Department of Natural Resources and Parks. Seattle, Washington.

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Should you have questions regarding any of the information contained in this data validation memorandum, please don't hesitate to contact the undersigned.

Sincerely,

Scott Mickelson
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ATTACHMENT A
LIMS BATCH AND QC REPORTS

LIMSView Batch Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

WG117399

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L53619-1	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	07/11/11	09/15/11	09/16/11	
L53619-1	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	07/11/11	09/15/11	09/15/11	
L53619-2	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	07/12/11	09/15/11	09/16/11	
L53619-2	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	07/12/11	09/15/11	09/15/11	
L53619-3	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	07/13/11	09/15/11	09/16/11	
L53619-3	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	07/13/11	09/15/11	09/15/11	
L53619-13	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	07/12/11	09/15/11	09/16/11	FREP@L53619-2
L53619-13	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	07/12/11	09/15/11	09/15/11	FREP@L53619-2
WG117399-1	MB		MTHARD-ICPMS	BLANK WTR		09/15/11	09/16/11	METHOD BLANK
WG117399-1	MB		MTICPMS	BLANK WTR		09/15/11	09/15/11	METHOD BLANK
WG117399-2	SB		MTHARD-ICPMS	BLANK WTR		09/15/11	09/16/11	WG117399-1 MS-20
WG117399-2	SB		MTICPMS	BLANK WTR		09/15/11	09/15/11	WG117399-1 MS-20
WG117399-3	LD		MTHARD-ICPMS	FRESH WTR		09/15/11	09/16/11	L53619-13 RPD-LIQ
WG117399-3	LD		MTICPMS	FRESH WTR		09/15/11	09/15/11	L53619-13 RPD-LIQ
WG117399-4	MS		MTHARD-ICPMS	FRESH WTR		09/15/11	09/16/11	L53619-13 MS-20
WG117399-4	MS		MTICPMS	FRESH WTR		09/15/11	09/15/11	L53619-13 MS-20

WG119704

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54760-1	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	12/12/11	02/09/12	02/10/12	
L54760-1	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	12/12/11	02/09/12	02/10/12	
L54760-2	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	12/13/11	02/09/12	02/10/12	
L54760-2	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	12/13/11	02/09/12	02/10/12	
L54760-3	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	12/14/11	02/09/12	02/10/12	
L54760-3	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	12/14/11	02/09/12	02/10/12	
L54760-11	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	12/13/11	02/09/12	02/10/12	FREP@L54760-2
L54760-11	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	12/13/11	02/09/12	02/10/12	FREP@L54760-2
WG119704-1	MB		MTHARD-ICPMS	BLANK WTR		02/09/12	02/10/12	METHOD BLANK
WG119704-1	MB		MTICPMS	BLANK WTR		02/09/12	02/10/12	METHOD BLANK
WG119704-2	SB		MTHARD-ICPMS	BLANK WTR		02/09/12	02/10/12	WG119704-1 MS-20
WG119704-2	SB		MTICPMS	BLANK WTR		02/09/12	02/10/12	WG119704-1 MS-20
WG119704-3	LD		MTHARD-ICPMS	FRESH WTR		02/09/12	02/10/12	L54760-11 RPD-LIQ
WG119704-3	LD		MTICPMS	FRESH WTR		02/09/12	02/10/12	L54760-11 RPD-LIQ
WG119704-4	MS		MTHARD-ICPMS	FRESH WTR		02/09/12	02/10/12	L54760-11 MS-20
WG119704-4	MS		MTICPMS	FRESH WTR		02/09/12	02/10/12	L54760-11 MS-20

LIMSView Batch Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

WG123247

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56061-1	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	07/31/12	09/25/12	09/28/12	
L56061-1	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	07/31/12	09/25/12	09/25/12	
L56061-2	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	08/01/12	09/25/12	09/28/12	
L56061-2	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	08/01/12	09/25/12	09/25/12	
L56061-3	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	08/02/12	09/25/12	09/28/12	
L56061-3	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	08/02/12	09/25/12	09/25/12	
L56061-11	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	08/02/12	09/25/12	09/28/12	FREP@L56061-3
L56061-11	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	08/02/12	09/25/12	09/25/12	FREP@L56061-3
L56320-2	421422-CHSW-M	SWD Cedar Hills SW Mth	MTHARD-ICPMS	FRESH WTR	09/19/12	09/25/12	09/28/12	
L56320-2	421422-CHSW-M	SWD Cedar Hills SW Mth	MTICPMS	FRESH WTR	09/19/12	09/25/12	09/25/12	
L56460-8	421196-130	Roads Groundwater	MTICPMS	GRND WTR	09/19/12	09/25/12	09/25/12	
L56460-9	421196-130	Roads Groundwater	MTICPMS	GRND WTR	09/19/12	09/25/12	09/25/12	
L56460-10	421196-130	Roads Groundwater	MTICPMS	GRND WTR	09/19/12	09/25/12	09/25/12	
L56460-11	421196-130	Roads Groundwater	MTICPMS	GRND WTR	09/19/12	09/25/12	09/25/12	
L56460-12	421196-130	Roads Groundwater	MTICPMS	GRND WTR	09/20/12	09/25/12	09/25/12	
L56460-13	421196-130	Roads Groundwater	MTICPMS	GRND WTR	09/20/12	09/25/12	09/25/12	
L56460-14	421196-130	Roads Groundwater	MTICPMS	GRND WTR	09/20/12	09/25/12	09/25/12	
L56460-15	421196-130	Roads Groundwater	MTICPMS	GRND WTR	09/20/12	09/25/12	09/25/12	
L56494-1	421422-CFSW	SWD Cedar Falls SW Qtr	MTHARD-ICPMS	FRESH WTR	09/19/12	09/25/12	09/28/12	
L56494-1	421422-CFSW	SWD Cedar Falls SW Qtr	MTICPMS	FRESH WTR	09/19/12	09/25/12	09/25/12	
WG123247-1	MB		MTHARD-ICPMS	BLANK WTR		09/25/12	09/28/12	METHOD BLANK
WG123247-1	MB		MTICPMS	BLANK WTR		09/25/12	09/25/12	METHOD BLANK
WG123247-2	SB		MTHARD-ICPMS	BLANK WTR		09/25/12	09/28/12	WG123247-1 MS-20
WG123247-2	SB		MTICPMS	BLANK WTR		09/25/12	09/25/12	WG123247-1 MS-20
WG123247-3	LD		MTHARD-ICPMS	FRESH WTR		09/25/12	09/28/12	L56320-2 RPD-LIQ
WG123247-3	LD		MTICPMS	FRESH WTR		09/25/12	09/25/12	L56320-2 RPD-LIQ
WG123247-4	MS		MTHARD-ICPMS	FRESH WTR		09/25/12	09/28/12	L56320-2 MS-20
WG123247-4	MS		MTICPMS	FRESH WTR		09/25/12	09/25/12	L56320-2 MS-20

WG125075

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56989-1	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	12/10/12	01/23/13	01/24/13	
L56989-1	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	12/10/12	01/23/13	01/24/13	
L56989-2	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	12/11/12	01/23/13	01/24/13	
L56989-2	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	12/11/12	01/23/13	01/24/13	
L56989-3	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	12/13/12	01/23/13	01/24/13	
L56989-3	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	12/13/12	01/23/13	01/24/13	

L56989-11	421162-300	NPDES RW Charact. Study	MTHARD-ICPMS	FRESH WTR	12/11/12	01/23/13	01/24/13	FREP@L56989-2
L56989-11	421162-300	NPDES RW Charact. Study	MTICPMS	FRESH WTR	12/11/12	01/23/13	01/24/13	FREP@L56989-2
WG125075-1	MB		MTHARD-ICPMS	BLANK WTR		01/23/13	01/24/13	METHOD BLANK
WG125075-1	MB		MTICPMS	BLANK WTR		01/23/13	01/24/13	METHOD BLANK
WG125075-2	SB		MTHARD-ICPMS	BLANK WTR		01/23/13	01/24/13	WG125075-1 MS-20 SPIKE BLANK
WG125075-2	SB		MTICPMS	BLANK WTR		01/23/13	01/24/13	WG125075-1 MS-20 SPIKE BLANK
WG125075-3	LD		MTHARD-ICPMS	FRESH WTR		01/23/13	01/24/13	L56989-1 RPD-LIQ LAB DUPLICATE
WG125075-3	LD		MTICPMS	FRESH WTR		01/23/13	01/24/13	L56989-1 RPD-LIQ LAB DUPLICATE
WG125075-4	MS		MTHARD-ICPMS	FRESH WTR		01/23/13	01/24/13	L56989-1 MS-20 MATRIX SPIKE
WG125075-4	MS		MTICPMS	FRESH WTR		01/23/13	01/24/13	L56989-1 MS-20 MATRIX SPIKE

WG116464

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L53592-1	421936	Carnation TP NPDES Mon.	MTHG-CVAF	EFFLUENT	07/12/11	07/25/11	07/26/11	
L53592-7	421936	Carnation TP NPDES Mon.	MTHG-CVAF	BLANK WTR	07/13/11	07/25/11	07/26/11	
L53593-1	421936	Carnation TP NPDES Mon.	MTHG-CVAF	BLANK WTR	07/07/11	07/25/11	07/26/11	FLDBLK @ L53592-1
L53593-2	421936	Carnation TP NPDES Mon.	MTHG-CVAF	BLANK WTR	07/07/11	07/25/11	07/26/11	
L53619-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	07/11/11	07/25/11	07/26/11	
L53619-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	07/12/11	07/25/11	07/26/11	
L53619-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	07/13/11	07/25/11	07/26/11	
L53619-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/11/11	07/25/11	07/26/11	ATMOBLANK Day 1
L53619-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/12/11	07/25/11	07/26/11	ATMOBLANK Day 2
L53619-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/13/11	07/25/11	07/26/11	ATMOBLANK Day 3
L53619-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/11/11	07/25/11	07/26/11	CRBOYBLANK Day 1
L53619-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/11/11	07/25/11	07/26/11	TRIPBLANK Day 1
L53619-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/11/11	07/25/11	07/26/11	BAILERBLANK Day 1
L53619-13	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	07/12/11	07/25/11	07/26/11	FREP@L53619-2
L53626-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	07/25/11	07/26/11	
L53626-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	07/25/11	07/26/11	
L53626-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	07/25/11	07/26/11	
L53626-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	07/25/11	07/26/11	
L53626-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	07/25/11	07/26/11	
L53626-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	07/25/11	07/26/11	
WG116464-1	MB		MTHG-CVAF	BLANK WTR		07/25/11	07/26/11	METHOD BLANK#1
WG116464-2	MB		MTHG-CVAF	BLANK WTR		07/25/11	07/26/11	METHOD BLANK#2
WG116464-3	MB		MTHG-CVAF	BLANK WTR		07/25/11	07/26/11	METHOD BLANK#3
WG116464-4	SB		MTHG-CVAF	BLANK WTR		07/25/11	07/26/11	WG116464-1 AF-SB
WG116464-5	MS		MTHG-CVAF	EFFLUENT		07/25/11	07/26/11	L53592-1 AF-MS
WG116464-6	MSD		MTHG-CVAF	EFFLUENT		07/25/11	07/26/11	WG116464-5 L53592-1 AF-MSD
WG116464-7	MS		MTHG-CVAF	FRESH WTR		07/25/11	07/26/11	L53619-13 AF-MS
WG116464-8	MSD		MTHG-CVAF	FRESH WTR		07/25/11	07/26/11	WG116464-7 L53619-13 AF-MSD

LIMSView Batch Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

WG116695

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L53626-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	08/09/11	08/10/11	
L53626-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	08/09/11	08/10/11	
L53626-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	08/09/11	08/10/11	FREP@L53626-10
L53626-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/14/11	08/09/11	08/10/11	
L53626-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/14/11	08/09/11	08/10/11	Equipment Blank- not field Blank
L53626-12	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/14/11	08/09/11	08/10/11	ATM BLANK @KSBP01
L53626-13	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/14/11	08/09/11	08/10/11	ATM BLANK @LTED04
L53626-14	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/14/11	08/09/11	08/10/11	ATM BLANK @LSNT01
L53626-15	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/14/11	08/09/11	08/10/11	Time of first sample recorded
L53626-17	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/14/11	08/09/11	08/10/11	Carboy Blank @ Lab
WG116695-1	MB		MTHG-CVAF	BLANK WTR		08/09/11	08/10/11	METHOD BLANK
WG116695-2	MB		MTHG-CVAF	BLANK WTR		08/09/11	08/10/11	METHOD BLANK
WG116695-3	MB		MTHG-CVAF	BLANK WTR		08/09/11	08/10/11	METHOD BLANK
WG116695-4	SB		MTHG-CVAF	BLANK WTR		08/09/11	08/10/11	WG116695-1 AF-SB
WG116695-5	MS		MTHG-CVAF	SALT WTR		08/09/11	08/10/11	L53626-7 AF-MS
WG116695-6	MSD		MTHG-CVAF	SALT WTR		08/09/11	08/10/11	WG116695-5 L53626-7 AF-MSD

WG119056

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54760-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	12/12/11	12/19/11	12/20/11	
L54760-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	12/13/11	12/19/11	12/20/11	
L54760-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/13/11	12/19/11	12/20/11	ATMOBLK- Day 2
L54760-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/14/11	12/19/11	12/20/11	ATMOBLK- Day 3
L54760-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/11	12/19/11	12/20/11	CRBOYBLK
L54760-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/11	12/19/11	12/20/11	TRPBLK
L54760-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/11	12/19/11	12/20/11	BAILERBLK
L54760-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	12/13/11	12/19/11	12/20/11	FREP@L54760-2
L54765-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/19/11	12/20/11	
L54765-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/19/11	12/20/11	
L54765-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/19/11	12/20/11	
L54765-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/19/11	12/20/11	
L54765-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/19/11	12/20/11	
L54765-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/19/11	12/20/11	
L54782-2	423258-500-1	Brightwater Reclaimed WQ	MTHG-CVAF	OTHR WTR	12/12/11	12/19/11	12/20/11	
L54783-2	423258-500-1	Brightwater Reclaimed WQ	MTHG-CVAF	OTHR WTR	12/13/11	12/19/11	12/20/11	
L54784-2	423258-500-1	Brightwater Reclaimed WQ	MTHG-CVAF	OTHR WTR	12/14/11	12/19/11	12/20/11	
WG119056-1	MB		MTHG-CVAF	BLANK WTR		12/19/11	12/20/11	METHOD BLANK#1

WG119056-2	MB		MTHG-CVAF	BLANK WTR		12/19/11	12/20/11	METHOD BLANK#2
WG119056-3	MB		MTHG-CVAF	BLANK WTR		12/19/11	12/20/11	METHOD BLANK#3
WG119056-4	SB		MTHG-CVAF	BLANK WTR		12/19/11	12/20/11	WG119056-1 AF-SB
WG119056-5	MS		MTHG-CVAF	OTHR WTR		12/19/11	12/20/11	L54782-2 AF-MS
WG119056-6	MSD		MTHG-CVAF	OTHR WTR		12/19/11	12/20/11	WG119056-5 L54782-2 AF-MSD
WG119056-7	MS		MTHG-CVAF	FRESH WTR		12/19/11	12/20/11	L54760-11 AF-MS
WG119056-8	MSD		MTHG-CVAF	FRESH WTR		12/19/11	12/20/11	WG119056-7 L54760-11 AF-MSD

WG119177

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54760-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	12/14/11	12/27/11	12/28/11	
L54760-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/11	12/27/11	12/28/11	ATMOBLK- Day 1
L54765-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/27/11	12/28/11	
L54765-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/27/11	12/28/11	
L54765-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/27/11	12/28/11	FREP@L54765-10
L54765-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/14/11	12/27/11	12/28/11	
L54765-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/14/11	12/27/11	12/28/11	Field Blank @ LTDE04
L54765-12	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/14/11	12/27/11	12/28/11	ATM BLANK @KSBP01
L54765-13	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/14/11	12/27/11	12/28/11	ATM BLANK @LTED04
L54765-14	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/14/11	12/27/11	12/28/11	ATM BLANK @LSNT01
L54765-15	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/14/11	12/27/11	12/28/11	Time of first sample recorded
L54765-17	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/14/11	12/27/11	12/28/11	Carboy Blank @ LTED04
WG119177-1	MB		MTHG-CVAF	BLANK WTR		12/27/11	12/28/11	METHOD BLANK#1
WG119177-2	MB		MTHG-CVAF	BLANK WTR		12/27/11	12/28/11	METHOD BLANK#2
WG119177-3	MB		MTHG-CVAF	BLANK WTR		12/27/11	12/28/11	METHOD BLANK#3
WG119177-4	SB		MTHG-CVAF	BLANK WTR		12/27/11	12/28/11	WG119177-1 AF-SB
WG119177-5	MS		MTHG-CVAF	FRESH WTR		12/27/11	12/28/11	L54760-3 AF-MS
WG119177-6	MSD		MTHG-CVAF	FRESH WTR		12/27/11	12/28/11	WG119177-5 L54760-3 AF-MSD
WG119177-7	MS		MTHG-CVAF	SALT WTR		12/27/11	12/28/11	L54765-7 AF-MS
WG119177-8	MSD		MTHG-CVAF	SALT WTR		12/27/11	12/28/11	WG119177-7 L54765-7 AF-MSD

WG122560

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56061-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	07/31/12	08/15/12	08/16/12	
L56061-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	08/01/12	08/15/12	08/16/12	
L56061-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	08/02/12	08/15/12	08/16/12	
L56061-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/31/12	08/15/12	08/16/12	ATMOBLK Day 1
L56061-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	08/01/12	08/15/12	08/16/12	ATMOBLK Day 2
L56061-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	08/02/12	08/15/12	08/16/12	ATMOBLK Day 3

L56061-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/31/12	08/15/12	08/16/12	CRBYBLK Day 1
L56061-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/31/12	08/15/12	08/16/12	TRPBLK Day 1
L56061-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/31/12	08/15/12	08/16/12	BAILERBLK Day 1
L56061-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	08/02/12	08/21/12	08/22/12	FREP@L56061-3
WG122560-1	MB		MTHG-CVAF	BLANK WTR		08/15/12	08/16/12	METHOD BLANK#1
WG122560-2	MB		MTHG-CVAF	BLANK WTR		08/15/12	08/16/12	METHOD BLANK#2
WG122560-3	MB		MTHG-CVAF	BLANK WTR		08/15/12	08/16/12	METHOD BLANK#3
WG122560-4	SB		MTHG-CVAF	BLANK WTR		08/15/12	08/16/12	WG122560-1 AF-SB
WG122560-5	MS		MTHG-CVAF	FRESH WTR		08/15/12	08/16/12	L56061-1 AF-MS
WG122560-6	MSD		MTHG-CVAF	FRESH WTR		08/15/12	08/16/12	WG122560-5 L56061-1 AF-MSD

WG122713

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56062-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	FREP@L56062-10
L56062-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	07/30/12	08/22/12	08/23/12	
WG122713-1	MB		MTHG-CVAF	BLANK WTR		08/22/12	08/23/12	METHOD BLANK
WG122713-2	MB		MTHG-CVAF	BLANK WTR		08/22/12	08/23/12	METHOD BLANK
WG122713-3	MB		MTHG-CVAF	BLANK WTR		08/22/12	08/23/12	METHOD BLANK
WG122713-4	SB		MTHG-CVAF	BLANK WTR		08/22/12	08/23/12	WG122713-1 AF-SB
WG122713-5	MS		MTHG-CVAF	SALT WTR		08/22/12	08/23/12	L56062-2 AF-MS
WG122713-6	MSD		MTHG-CVAF	SALT WTR		08/22/12	08/23/12	WG122713-5 L56062-2 AF-MSD

WG122844

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56062-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/30/12	08/29/12	08/30/12	Field Blank @ LTDE04
L56062-12	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/30/12	08/29/12	08/30/12	ATM BLANK @KSBP01
L56062-13	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/30/12	08/29/12	08/30/12	ATM BLANK @LTED04
L56062-14	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/30/12	08/29/12	08/30/12	ATM BLANK @LSNT01
L56062-15	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/30/12	08/29/12	08/30/12	Time of first sample recorded
L56062-17	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	07/30/12	08/29/12	08/30/12	Carboy Blank @ LTED04
L56298-1	421186B	RTP INPLNT 3 DAY INT	MTHG-CVAF	BLANK WTR	08/20/12	08/29/12	08/30/12	FLDBLK (for L56299, 56300, 56301)

L56298-2	421186B	RTP INPLNT 3 DAY INT	MTHG-CVAF	BLANK WTR	08/20/12	08/29/12	08/30/12	
L56299-7	421186B	RTP INPLNT 3 DAY INT	MTHG-CVAF	EFFLUENT	08/20/12	08/29/12	08/30/12	
L56299-10	421186B	RTP INPLNT 3 DAY INT	MTHG-CVAF	BLANK WTR	08/20/12	08/29/12	08/30/12	
L56300-7	421186B	RTP INPLNT 3 DAY INT	MTHG-CVAF	EFFLUENT	08/21/12	08/29/12	08/30/12	
L56300-10	421186B	RTP INPLNT 3 DAY INT	MTHG-CVAF	BLANK WTR	08/21/12	08/29/12	08/30/12	
L56301-7	421186B	RTP INPLNT 3 DAY INT	MTHG-CVAF	EFFLUENT	08/22/12	08/29/12	08/30/12	
L56301-10	421186B	RTP INPLNT 3 DAY INT	MTHG-CVAF	BLANK WTR	08/22/12	08/29/12	08/30/12	
WG122844-1	MB		MTHG-CVAF	BLANK WTR		08/29/12	08/30/12	METHOD BLANK
WG122844-2	MB		MTHG-CVAF	BLANK WTR		08/29/12	08/30/12	METHOD BLANK
WG122844-3	MB		MTHG-CVAF	BLANK WTR		08/29/12	08/30/12	METHOD BLANK
WG122844-4	SB		MTHG-CVAF	BLANK WTR		08/29/12	08/30/12	WG122844-1 AF-SB
WG122844-5	MS		MTHG-CVAF	EFFLUENT		08/29/12	08/30/12	L56299-7 AF-MS
WG122844-6	MSD		MTHG-CVAF	EFFLUENT		08/29/12	08/30/12	WG122844-5 L56299-7 AF-MSD
WG122844-7	MS		MTHG-CVAF	EFFLUENT		08/29/12	08/30/12	L56301-7 AF-MS
WG122844-8	MSD		MTHG-CVAF	EFFLUENT		08/29/12	08/30/12	WG122844-7 L56301-7 AF-MSD

WG125309

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56990-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	
L56990-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	
L56990-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	
L56990-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	
L56990-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	
L56990-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	
L56990-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	
L56990-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	
L56990-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	FREP@L56990-10
L56990-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF	SALT WTR	12/12/12	02/06/13	02/07/13	
L56990-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/12	02/06/13	02/07/13	Field Blank @ KSBP01
L56990-12	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/12	02/06/13	02/07/13	ATM BLANK @KSBP01
L56990-13	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/12	02/06/13	02/07/13	ATM BLANK @LTED04
L56990-14	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/12	02/06/13	02/07/13	ATM BLANK @LSNT01
L56990-15	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/12	02/06/13	02/07/13	Time of first sample recorded
L56990-17	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/12/12	02/06/13	02/07/13	Carboy Blank @ KSBP01
L57200-5	421185	WP INPLANT 3 Day INT	MTHG-CVAF	BLANK WTR	01/10/13	02/06/13	02/07/13	
L57201-5	421185	WP INPLANT 3 Day INT	MTHG-CVAF	BLANK WTR	01/10/13	02/06/13	02/07/13	
L57227-7	421185	WP INPLANT 3 Day INT	MTHG-CVAF	BLANK WTR	01/10/13	02/06/13	02/07/13	
WG125309-1	MB		MTHG-CVAF	BLANK WTR		02/06/13	02/07/13	METHOD BLANK
WG125309-2	MB		MTHG-CVAF	BLANK WTR		02/06/13	02/07/13	METHOD BLANK
WG125309-3	MB		MTHG-CVAF	BLANK WTR		02/06/13	02/07/13	METHOD BLANK

WG125309-4	SB	MTHG-CVAF	BLANK WTR	02/06/13	02/07/13	WG125309-1 AF-SB
WG125309-5	MS	MTHG-CVAF	SALT WTR	02/06/13	02/07/13	L56990-1 AF-MS
WG125309-6	MSD	MTHG-CVAF	SALT WTR	02/06/13	02/07/13	WG125309-5 L56990-1 AF-MSD
WG125309-7	MS	MTHG-CVAF	SALT WTR	02/06/13	02/07/13	L56990-10 AF-MS
WG125309-8	MSD	MTHG-CVAF	SALT WTR	02/06/13	02/07/13	WG125309-7 L56990-10 AF-MSD

WG125324

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56989-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	12/10/12	02/07/13	02/08/13	
L56989-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	12/11/12	02/07/13	02/08/13	
L56989-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	12/13/12	02/07/13	02/08/13	
L56989-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/10/12	02/07/13	02/08/13	ATMOBLK Day 1
L56989-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/11/12	02/07/13	02/08/13	ATMOBLK Day 2
L56989-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/13/12	02/07/13	02/08/13	ATMOBLK Day 3
L56989-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/10/12	02/07/13	02/08/13	CRBOYBLK
L56989-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/10/12	02/07/13	02/08/13	TRPBLK
L56989-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF	BLANK WTR	12/10/12	02/07/13	02/08/13	BAILERBLK
L56989-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF	FRESH WTR	12/11/12	02/07/13	02/08/13	FREP@L56989-2
WG125324-1	MB		MTHG-CVAF	BLANK WTR		02/07/13	02/08/13	METHOD BLANK
WG125324-2	MB		MTHG-CVAF	BLANK WTR		02/07/13	02/08/13	METHOD BLANK
WG125324-3	MB		MTHG-CVAF	BLANK WTR		02/07/13	02/08/13	METHOD BLANK
WG125324-4	SB		MTHG-CVAF	BLANK WTR		02/07/13	02/08/13	WG125324-1 AF-SB
WG125324-5	MS		MTHG-CVAF	FRESH WTR		02/07/13	02/08/13	L56989-1 AF-MS
WG125324-6	MSD		MTHG-CVAF	FRESH WTR		02/07/13	02/08/13	WG125324-5 L56989-1 AF-MSD

WG116496

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L53619-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	07/11/11	07/28/11	07/29/11	
L53619-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	07/12/11	07/28/11	07/29/11	
L53619-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	07/13/11	07/28/11	07/29/11	
L53619-12	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FILTER WTR	07/11/11	07/28/11	07/29/11	FFB- Metals
L53619-13	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	07/12/11	07/28/11	07/29/11	FREP@L53619-2
L53626-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	
L53626-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	
L53626-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	
L53626-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	
L53626-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	
L53626-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	
L53626-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	

L53626-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	
L53626-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	FREP@L53626-10
L53626-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/14/11	07/28/11	07/29/11	
L53626-16	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FILTER WTR	07/14/11	07/28/11	07/29/11	FFB @ KSBP01
WG116496-1	MB		MTHG-CVAF-DISS	BLANK WTR		07/28/11	07/29/11	METHOD BLANK#1
WG116496-2	MB		MTHG-CVAF-DISS	BLANK WTR		07/28/11	07/29/11	METHOD BLANK#2
WG116496-3	MB		MTHG-CVAF-DISS	BLANK WTR		07/28/11	07/29/11	METHOD BLANK#3
WG116496-4	SB		MTHG-CVAF-DISS	BLANK WTR		07/28/11	07/29/11	WG116496-1 AF-SB
WG116496-5	MS		MTHG-CVAF-DISS	FRESH WTR		07/28/11	07/29/11	L53619-1 AF-MS
WG116496-6	MSD		MTHG-CVAF-DISS	FRESH WTR		07/28/11	07/29/11	WG116496-5 L53619-1 AF-MSD
WG116496-7	MS		MTHG-CVAF-DISS	SALT WTR		07/28/11	07/29/11	L53626-10 AF-MS
WG116496-8	MSD		MTHG-CVAF-DISS	SALT WTR		07/28/11	07/29/11	WG116496-7 L53626-10 AF-MSD

WG119081

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54760-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	12/12/11	12/20/11	12/21/11	
L54760-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	12/13/11	12/20/11	12/21/11	
L54760-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	12/14/11	12/20/11	12/21/11	
L54760-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FILTER WTR	12/12/11	12/20/11	12/21/11	FFB- metals
L54760-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	12/13/11	12/20/11	12/21/11	FREP@L54760-2
L54765-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	
L54765-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	
L54765-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	
L54765-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	
L54765-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	
L54765-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	
L54765-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	
L54765-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	
L54765-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	FREP@L54765-10
L54765-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/14/11	12/20/11	12/21/11	
L54765-16	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FILTER WTR	12/14/11	12/20/11	12/21/11	FFB @ LTED04
WG119081-1	MB		MTHG-CVAF-DISS	BLANK WTR		12/20/11	12/21/11	METHOD BLANK
WG119081-2	MB		MTHG-CVAF-DISS	BLANK WTR		12/20/11	12/21/11	METHOD BLANK
WG119081-3	MB		MTHG-CVAF-DISS	BLANK WTR		12/20/11	12/21/11	METHOD BLANK
WG119081-4	SB		MTHG-CVAF-DISS	BLANK WTR		12/20/11	12/21/11	WG119081-1 AF-SB
WG119081-5	MS		MTHG-CVAF-DISS	FRESH WTR		12/20/11	12/21/11	L54760-1 AF-MS
WG119081-6	MSD		MTHG-CVAF-DISS	FRESH WTR		12/20/11	12/21/11	WG119081-5 L54760-1 AF-MSD
WG119081-7	MS		MTHG-CVAF-DISS	SALT WTR		12/20/11	12/21/11	L54765-10 AF-MS
WG119081-8	MSD		MTHG-CVAF-DISS	SALT WTR		12/20/11	12/21/11	WG119081-7 L54765-10 AF-MSD

LIMSView Batch Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

WG122629

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56061-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	07/31/12	08/21/12	08/22/12	
L56061-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	08/01/12	08/21/12	08/22/12	
L56061-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FILTER WTR	07/31/12	08/21/12	08/22/12	FFB- metals
L56061-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	08/02/12	08/15/12	08/16/12	FREP@L56061-3
L56062-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/21/12	08/22/12	
L56062-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/21/12	08/22/12	
L56062-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/21/12	08/22/12	
L56062-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/21/12	08/22/12	
L56062-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/21/12	08/22/12	
L56062-16	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FILTER WTR	07/30/12	08/21/12	08/22/12	FFB @ LTED04
WG122629-1	MB		MTHG-CVAF-DISS	BLANK WTR		08/21/12	08/22/12	METHOD BLANK#1
WG122629-2	MB		MTHG-CVAF-DISS	BLANK WTR		08/21/12	08/22/12	METHOD BLANK#2
WG122629-3	MB		MTHG-CVAF-DISS	BLANK WTR		08/21/12	08/22/12	METHOD BLANK#3
WG122629-4	SB		MTHG-CVAF-DISS	BLANK WTR		08/21/12	08/22/12	WG122629-1 AF-SB
WG122629-5	MS		MTHG-CVAF-DISS	FRESH WTR		08/21/12	08/22/12	L56061-1 AF-MS
WG122629-6	MSD		MTHG-CVAF-DISS	FRESH WTR		08/21/12	08/22/12	WG122629-5 L56061-1 AF-MSD

WG122712

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56061-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	08/02/12	08/22/12	08/23/12	
L56062-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/22/12	08/23/12	
L56062-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/22/12	08/23/12	FREP@L56062-10
L56062-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	07/30/12	08/22/12	08/23/12	
WG122712-1	MB		MTHG-CVAF-DISS	BLANK WTR		08/22/12	08/23/12	METHOD BLANK
WG122712-2	MB		MTHG-CVAF-DISS	BLANK WTR		08/22/12	08/23/12	METHOD BLANK
WG122712-3	MB		MTHG-CVAF-DISS	BLANK WTR		08/22/12	08/23/12	METHOD BLANK
WG122712-4	SB		MTHG-CVAF-DISS	BLANK WTR		08/22/12	08/23/12	WG122712-1 AF-SB
WG122712-5	MS		MTHG-CVAF-DISS	SALT WTR		08/22/12	08/23/12	L56062-10 AF-MS
WG122712-6	MSD		MTHG-CVAF-DISS	SALT WTR		08/22/12	08/23/12	WG122712-5 L56062-10 AF-MSD

WG124900

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56989-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	12/10/12	01/07/13	01/08/13	
L56989-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	12/11/12	01/07/13	01/08/13	

L56989-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	12/13/12	01/07/13	01/08/13	
L56989-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FILTER WTR	12/10/12	01/07/13	01/08/13	FFB
L56989-11	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FRESH WTR	12/11/12	01/07/13	01/08/13	FREP@L56989-2
L56990-1	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	
L56990-2	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	
L56990-3	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	
L56990-4	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	
L56990-5	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	
L56990-6	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	
L56990-7	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	
L56990-8	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	
L56990-9	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	FREP@L56990-10
L56990-10	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	SALT WTR	12/12/12	01/07/13	01/08/13	
L56990-16	421162-300	NPDES RW Charact. Study	MTHG-CVAF-DISS	FILTER WTR	12/12/12	01/07/13	01/08/13	FFB @ KSBP01
WG124900-1	MB		MTHG-CVAF-DISS	BLANK WTR		01/07/13	01/08/13	METHOD BLANK
WG124900-2	MB		MTHG-CVAF-DISS	BLANK WTR		01/07/13	01/08/13	METHOD BLANK
WG124900-3	MB		MTHG-CVAF-DISS	BLANK WTR		01/07/13	01/08/13	METHOD BLANK
WG124900-4	SB		MTHG-CVAF-DISS	BLANK WTR		01/07/13	01/08/13	WG124900-1 AF-SB
WG124900-5	MS		MTHG-CVAF-DISS	FRESH WTR		01/07/13	01/08/13	L56989-1 AF-MS
WG124900-6	MSD		MTHG-CVAF-DISS	FRESH WTR		01/07/13	01/08/13	WG124900-5 L56989-1 AF-MSD
WG124900-7	MS		MTHG-CVAF-DISS	SALT WTR		01/07/13	01/08/13	L56990-10 AF-MS
WG124900-8	MSD		MTHG-CVAF-DISS	SALT WTR		01/07/13	01/08/13	WG124900-7 L56990-10 AF-MSD

WG116281

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L53619-1	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	07/11/11	07/15/11	07/20/11	
L53619-2	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	07/12/11	07/15/11	07/20/11	
L53619-3	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	07/13/11	07/15/11	07/20/11	
L53619-12	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FILTER WTR	07/11/11	07/15/11	07/20/11	FFB- Metals
L53619-13	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	07/12/11	07/15/11	07/20/11	FREP@L53619-2
L53626-16	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FILTER WTR	07/14/11	07/15/11	07/20/11	FFB @ KSBP01
WG116281-1	MB		MTICPMS-DISS-SEA	BLANK WTR		07/15/11	07/20/11	METHOD BLANK
WG116281-2	SB		MTICPMS-DISS-SEA	BLANK WTR		07/15/11	07/20/11	WG116281-1 MS-SEA SPIKE BLANK
WG116281-3	MS		MTICPMS-DISS-SEA	FRESH WTR		07/15/11	07/20/11	L53619-2 MS-SEA MATRIX SPIKE
WG116281-4	MSD		MTICPMS-DISS-SEA	FRESH WTR		07/15/11	07/20/11	WG116281-3 L53619-2 MS-SEA MSD

WG117861

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L53626-1	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	

L53626-2	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-3	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-4	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-5	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-6	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-7	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-8	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-9	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	FREP@L53626-10
L53626-10	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
WG117861-1	MB		MTICPMS-DISS-SEA	BLANK WTR		07/15/11	08/22/11	METHOD BLANK
WG117861-2	SB		MTICPMS-DISS-SEA	BLANK WTR		07/15/11	08/22/11	WG117861-1 MS-SEA SPIKE BLANK
WG117861-3	MS		MTICPMS-DISS-SEA	SALT WTR		07/15/11	08/22/11	L53626-1 MS-SEA MATRIX SPIKE
WG117861-4	MSD		MTICPMS-DISS-SEA	SALT WTR		07/15/11	08/22/11	WG117861-3 L53626-1 MS-SEA MSD

WG119280

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54760-1	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	12/12/11	01/06/12	01/06/12	
L54760-2	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	12/13/11	01/06/12	01/06/12	
L54760-3	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	12/14/11	01/06/12	01/06/12	
L54760-10	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FILTER WTR	12/12/11	01/06/12	01/06/12	FFB- metals
L54760-11	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	12/13/11	01/06/12	01/06/12	FREP@L54760-2
L54765-16	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FILTER WTR	12/14/11	01/06/12	01/06/12	FFB @ LTED04
WG119280-1	MB		MTICPMS-DISS-SEA	BLANK WTR		01/06/12	01/06/12	METHOD BLANK
WG119280-2	SB		MTICPMS-DISS-SEA	BLANK WTR		01/06/12	01/06/12	WG119280-1 MS-SEA SPIKE BLANK
WG119280-3	MS		MTICPMS-DISS-SEA	FRESH WTR		01/06/12	01/06/12	L54760-2 MS-SEA MATRIX SPIKE
WG119280-4	MSD		MTICPMS-DISS-SEA	FRESH WTR		01/06/12	01/06/12	WG119280-3 L54760-2 MS-SEA MSD

WG119326

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54765-1	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-2	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-3	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-4	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-5	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-6	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-7	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-8	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-9	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	FREP@L54765-10
L54765-10	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	

WG119326-1	MB		MTICPMS-DISS-SEA	BLANK WTR	01/10/12	01/26/12	METHOD BLANK
WG119326-2	SB		MTICPMS-DISS-SEA	BLANK WTR	01/10/12	01/26/12	WG119326-1 MS-SEA SPIKE BLANK
WG119326-3	MS		MTICPMS-DISS-SEA	SALT WTR	01/10/12	01/26/12	L54765-10 MS-SEA MATRIX SPIKE
WG119326-4	MSD		MTICPMS-DISS-SEA	SALT WTR	01/10/12	01/26/12	WG119326-3 L54765-10 MS-SEA MSD

WG122900

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56061-1	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	07/31/12	09/05/12	09/05/12	
L56061-2	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	08/01/12	09/05/12	09/05/12	
L56061-3	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	08/02/12	09/05/12	09/05/12	
L56061-10	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FILTER WTR	07/31/12	09/05/12	09/05/12	FFB- metals
L56061-11	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	08/02/12	09/05/12	09/05/12	FREP@L56061-3
L56062-16	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FILTER WTR	07/30/12	09/05/12	09/05/12	FFB @ LTED04
WG122900-1	MB		MTICPMS-DISS-SEA	BLANK WTR		09/05/12	09/05/12	METHOD BLANK
WG122900-2	SB		MTICPMS-DISS-SEA	BLANK WTR		09/05/12	09/05/12	WG122900-1 MS-SEA
WG122900-3	MS		MTICPMS-DISS-SEA	FRESH WTR		09/05/12	09/05/12	L56061-2 MS-SEA
WG122900-4	MSD		MTICPMS-DISS-SEA	FRESH WTR		09/05/12	09/05/12	WG122900-3 L56061-2 MS-SEA

WG123691

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56062-1	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	
L56062-2	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	
L56062-3	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	
L56062-4	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	
L56062-5	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	
L56062-6	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	
L56062-7	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	
L56062-8	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	
L56062-9	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	FREP@L56062-10
L56062-10	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	07/30/12	10/18/12	10/18/12	
WG123691-1	MB		MTICPMS-DISS-SEA	SALT WTR		10/18/12	10/18/12	METHOD BLANK
WG123691-2	SB		MTICPMS-DISS-SEA	SALT WTR		10/18/12	10/18/12	WG123691-1 MS-SEA
WG123691-3	MS		MTICPMS-DISS-SEA	SALT WTR		10/18/12	10/18/12	L56062-7 MS-SEA
WG123691-4	MSD		MTICPMS-DISS-SEA	SALT WTR		10/18/12	10/18/12	WG123691-3 L56062-7 MS-SEA

WG124746

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56989-1	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	12/10/12	12/20/12	12/21/12	

L56989-2	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	12/11/12	12/20/12	12/21/12	
L56989-3	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	12/13/12	12/20/12	12/21/12	
L56989-10	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FILTER WTR	12/10/12	12/20/12	12/21/12	FFB
L56989-11	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FRESH WTR	12/11/12	12/20/12	12/21/12	FREP@L56989-2
L56990-16	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	FILTER WTR	12/12/12	12/20/12	12/21/12	FFB @ KSBP01
WG124746-1	MB		MTICPMS-DISS-SEA	BLANK WTR		12/20/12	12/21/12	METHOD BLANK
WG124746-2	SB		MTICPMS-DISS-SEA	BLANK WTR		12/20/12	12/21/12	WG124746-1 MS-SEA SPIKE BLANK
WG124746-3	MS		MTICPMS-DISS-SEA	FRESH WTR		12/20/12	12/21/12	L56989-1 MS-SEA MATRIX SPIKE
WG124746-4	MSD		MTICPMS-DISS-SEA	FRESH WTR		12/20/12	12/21/12	WG124746-3 L56989-1 MS-SEA MSD

WG124855

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56990-1	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	
L56990-2	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	
L56990-3	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	
L56990-4	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	
L56990-5	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	
L56990-6	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	
L56990-7	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	
L56990-8	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	
L56990-9	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	FREP@L56990-10
L56990-10	421162-300	NPDES RW Charact. Study	MTICPMS-DISS-SEA	SALT WTR	12/12/12	01/03/13	01/03/13	
WG124855-1	MB		MTICPMS-DISS-SEA	BLANK WTR		01/03/13	01/03/13	METHOD BLANK
WG124855-2	SB		MTICPMS-DISS-SEA	BLANK WTR		01/03/13	01/03/13	WG124855-1 MS-SEA SPIKE BLANK
WG124855-3	MS		MTICPMS-DISS-SEA	SALT WTR		01/03/13	01/03/13	L56990-9 MS-SEA MATRIX SPIKE
WG124855-4	MSD		MTICPMS-DISS-SEA	SALT WTR		01/03/13	01/03/13	WG124855-3 L56990-9 MS-SEA MSD

WG116287

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L53619-1	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	07/11/11	07/15/11	08/04/11	
L53619-2	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	07/12/11	07/15/11	08/04/11	
L53619-3	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	07/13/11	07/15/11	08/04/11	
L53619-4	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/11/11	07/15/11	08/04/11	ATMOBLANK Day 1
L53619-5	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/12/11	07/15/11	08/04/11	ATMOBLANK Day 2
L53619-6	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/13/11	07/15/11	08/04/11	ATMOBLANK Day 3
L53619-7	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/11/11	07/15/11	08/04/11	CRBOYBLANK Day 1
L53619-8	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/11/11	07/15/11	08/04/11	TRIPBLANK Day 1
L53619-9	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/11/11	07/15/11	08/04/11	BAILERBLANK Day 1
L53619-13	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	07/12/11	07/15/11	08/04/11	FREP@L53619-2

L53626-11	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/14/11	07/15/11	08/04/11	Equipment Blank- not field Blank
L53626-12	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/14/11	07/15/11	08/04/11	ATM BLANK @KSBP01
L53626-13	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/14/11	07/15/11	08/04/11	ATM BLANK @LTED04
L53626-14	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/14/11	07/15/11	08/04/11	ATM BLANK @LSNT01
L53626-15	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/14/11	07/15/11	08/04/11	Time of first sample recorded
L53626-17	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/14/11	07/15/11	08/04/11	Carboy Blank @ Lab
WG116287-1	SB		MTICPMS-SEA	BLANK WTR		07/15/11	08/04/11	WG116287-3 MS-SEA SPIKE BLANK
WG116287-2	SB		MTICPMS-SEA	BLANK WTR		07/15/11	08/04/11	WG116287-4 MS-SEA SPIKE BLANK
WG116287-3	MB		MTICPMS-SEA	BLANK WTR		07/15/11	08/04/11	METHOD BLANK
WG116287-4	MB		MTICPMS-SEA	BLANK WTR		07/15/11	08/04/11	METHOD BLANK
WG116287-5	MS		MTICPMS-SEA	FRESH WTR		07/15/11	08/04/11	L53619-1 MS-SEA MATRIX SPIKE
WG116287-6	MSD		MTICPMS-SEA	FRESH WTR		07/15/11	08/04/11	WG116287-5 L53619-1 MS-SEA MSD
WG116287-7	MS		MTICPMS-SEA	FRESH WTR		07/15/11	08/04/11	L53619-3 MS-SEA MATRIX SPIKE
WG116287-8	MSD		MTICPMS-SEA	FRESH WTR		07/15/11	08/04/11	WG116287-7 L53619-3 MS-SEA MSD

WG116666

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L53626-1	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-2	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-3	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/22/11	
L53626-4	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/23/11	
L53626-5	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/23/11	
L53626-6	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/23/11	
L53626-7	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/23/11	
L53626-8	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/23/11	
L53626-9	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/23/11	FREP@L53626-10
L53626-10	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/14/11	07/15/11	08/23/11	
WG116666-2	SB		MTICPMS-SEA	BLANK WTR		07/15/11	08/22/11	WG116666-4 MS-SEA
WG116666-4	MB		MTICPMS-SEA	BLANK WTR		07/15/11	08/22/11	METHOD BLANK
WG116666-7	MS		MTICPMS-SEA	SALT WTR		07/15/11	08/22/11	L53626-1 MS-SEA MATRIX SPIKE
WG116666-8	MSD		MTICPMS-SEA	SALT WTR		07/15/11	08/22/11	WG116666-7 L53626-1 MS-SEA MSD

WG118832

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54739-1	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	
L54739-2	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	
L54739-3	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	
L54739-4	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	
L54739-5	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	

L54739-6	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	
L54739-7	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	
L54739-8	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	
L54739-9	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	
L54739-10	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/02/11	12/06/11	12/06/11	
WG118832-1	MB		MTICPMS-SEA	BLANK WTR		12/06/11	12/06/11	METHOD BLANK

WG119016

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54760-1	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	12/12/11	12/19/11	12/22/11	
L54760-2	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	12/13/11	12/19/11	12/22/11	
L54760-4	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/11	12/19/11	12/22/11	ATMOBLK- Day 1
L54760-5	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/13/11	12/19/11	12/22/11	ATMOBLK- Day 2
L54760-7	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/11	12/19/11	12/22/11	CRBOYBLK
L54760-8	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/11	12/19/11	12/22/11	TRPBLK
L54760-9	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/11	12/19/11	12/22/11	BAILERBLK
L54760-11	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	12/13/11	12/19/11	12/22/11	FREP@L54760-2
WG119016-1	MB		MTICPMS-SEA	BLANK WTR		12/19/11	12/22/11	METHOD BLANK
WG119016-2	SB		MTICPMS-SEA	BLANK WTR		12/19/11	12/22/11	WG119016-1 MS-SEA SPIKE BLANK
WG119016-3	MS		MTICPMS-SEA	FRESH WTR		12/19/11	12/22/11	L54760-2 MS-SEA MATRIX SPIKE
WG119016-4	MSD		MTICPMS-SEA	FRESH WTR		12/19/11	12/22/11	WG119016-3 L54760-2 MS-SEA

WG119157

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54760-3	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	12/14/11	01/03/12	01/03/12	
L54760-6	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/14/11	01/03/12	01/03/12	ATMOBLK- Day 3
L54765-11	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/14/11	01/03/12	01/03/12	Field Blank @ LTDE04
L54765-12	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/14/11	01/03/12	01/03/12	ATM BLANK @KSBP01
L54765-13	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/14/11	01/03/12	01/03/12	ATM BLANK @LTED04
L54765-14	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/14/11	01/03/12	01/03/12	ATM BLANK @LSNT01
L54765-15	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/14/11	01/03/12	01/03/12	Time of first sample recorded
L54765-17	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/14/11	01/03/12	01/03/12	Carboy Blank @ LTED04
WG119157-1	MB		MTICPMS-SEA	BLANK WTR		01/03/12	01/03/12	METHOD BLANK
WG119157-2	SB		MTICPMS-SEA	BLANK WTR		01/03/12	01/03/12	WG119157-1 MS-SEA SPIKE BLANK
WG119157-3	MS		MTICPMS-SEA	FRESH WTR		01/03/12	01/03/12	L54760-3 MS-SEA MATRIX SPIKE
WG119157-4	MSD		MTICPMS-SEA	FRESH WTR		01/03/12	01/03/12	WG119157-3 L54760-3 MS-SEA MSD

LIMSView Batch Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

WG119325

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L54765-1	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-2	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-3	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-4	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-5	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-6	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-7	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-8	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
L54765-9	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	FREP@L54765-10
L54765-10	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/14/11	01/10/12	01/26/12	
WG119325-1	MB		MTICPMS-SEA	BLANK WTR		01/10/12	01/26/12	METHOD BLANK
WG119325-2	SB		MTICPMS-SEA	BLANK WTR		01/10/12	01/26/12	WG119325-1 MS-SEA SPIKE BLANK
WG119325-3	MS		MTICPMS-SEA	SALT WTR		01/10/12	01/26/12	L54765-8 MS-SEA MATRIX SPIKE
WG119325-4	MSD		MTICPMS-SEA	SALT WTR		01/10/12	01/26/12	WG119325-3 L54765-8 MS-SEA MSD

WG122436

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56061-1	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	07/31/12	08/08/12	08/09/12	
L56061-2	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	08/01/12	08/08/12	08/09/12	
L56061-3	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	08/02/12	08/08/12	08/09/12	
L56061-11	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	08/02/12	08/08/12	08/09/12	FREP@L56061-3
WG122436-1	MB		MTICPMS-SEA	BLANK WTR		08/08/12	08/09/12	METHOD BLANK
WG122436-2	SB		MTICPMS-SEA	BLANK WTR		08/08/12	08/09/12	WG122436-1 MS-SEA SPIKE BLANK
WG122436-3	MS		MTICPMS-SEA	FRESH WTR		08/08/12	08/09/12	L56061-2 MS-SEA MATRIX SPIKE
WG122436-4	MSD		MTICPMS-SEA	FRESH WTR		08/08/12	08/09/12	WG122436-3 L56061-2 MS-SEA MSD

WG122819

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56061-4	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/31/12	08/29/12	08/29/12	ATMOBLK Day 1
L56061-5	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	08/01/12	08/29/12	08/29/12	ATMOBLK Day 2
L56061-6	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	08/02/12	08/29/12	08/29/12	ATMOBLK Day 3
L56061-7	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/31/12	08/29/12	08/29/12	CRBYBLK Day 1
L56061-8	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/31/12	08/29/12	08/29/12	TRPBLK Day 1
L56061-9	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/31/12	08/29/12	08/29/12	BAILERBLK Day 1
L56062-11	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/30/12	08/29/12	08/29/12	Field Blank @ LTDE04
L56062-12	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/30/12	08/29/12	08/29/12	ATM BLANK @KSBP01

L56062-13	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/30/12	08/29/12	08/29/12	ATM BLANK @LTED04
L56062-14	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/30/12	08/29/12	08/29/12	ATM BLANK @LSNT01
L56062-15	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/30/12	08/29/12	08/29/12	Time of first sample recorded
L56062-17	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	07/30/12	08/29/12	08/29/12	Carboy Blank @ LTED04
WG122819-1	MB		MTICPMS-SEA	BLANK WTR		08/29/12	08/29/12	METHOD BLANK
WG122819-2	MB		MTICPMS-SEA	BLANK WTR		08/29/12	08/29/12	METHOD BLANK

WG122999

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56062-1	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	
L56062-2	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	
L56062-3	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	
L56062-4	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	
L56062-5	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	
L56062-6	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	
L56062-7	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	
L56062-8	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	
L56062-9	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	FREP@L56062-10
L56062-10	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	07/30/12	09/11/12	09/19/12	
WG122999-1	MB		MTICPMS-SEA	BLANK WTR		09/11/12	09/19/12	METHOD BLANK
WG122999-2	SB		MTICPMS-SEA	BLANK WTR		09/11/12	09/19/12	WG122999-1 MS-SEA SPIKE BLANK
WG122999-3	MS		MTICPMS-SEA	SALT WTR		09/11/12	09/19/12	L56062-7 MS-SEA MATRIX SPIKE
WG122999-4	MSD		MTICPMS-SEA	SALT WTR		09/11/12	09/19/12	WG122999-3 L56062-7 MS-SEA MSD

WG124799

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56989-1	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	12/10/12	12/26/12	12/26/12	
L56989-2	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	12/11/12	12/26/12	12/26/12	
L56989-3	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	12/13/12	12/26/12	12/26/12	
L56989-11	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	FRESH WTR	12/11/12	12/26/12	12/26/12	FREP@L56989-2
WG124799-1	MB		MTICPMS-SEA	BLANK WTR		12/26/12	12/26/12	METHOD BLANK
WG124799-2	SB		MTICPMS-SEA	BLANK WTR		12/26/12	12/26/12	WG124799-1 MS-SEA SPIKE BLANK
WG124799-3	MS		MTICPMS-SEA	FRESH WTR		12/26/12	12/26/12	L56989-1 MS-SEA MATRIX SPIKE
WG124799-4	MSD		MTICPMS-SEA	FRESH WTR		12/26/12	12/26/12	WG124799-3 L56989-1 MS-SEA MSD

WG124800

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56989-4	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/10/12	12/26/12	12/27/12	ATMOBLK Day 1

L56989-5	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/11/12	12/26/12	12/27/12	ATMOBLK Day 2
L56989-6	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/13/12	12/26/12	12/27/12	ATMOBLK Day 3
L56989-7	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/10/12	12/26/12	12/27/12	CRBOYBLK
L56989-8	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/10/12	12/26/12	12/27/12	TRPBLK
L56989-9	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/10/12	12/26/12	12/27/12	BAILERBLK
L56990-11	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/12	12/26/12	12/27/12	Field Blank @ KSBP01
L56990-12	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/12	12/26/12	12/27/12	ATM BLANK @KSBP01
L56990-13	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/12	12/26/12	12/27/12	ATM BLANK @LTED04
L56990-14	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/12	12/26/12	12/27/12	ATM BLANK @LSNT01
L56990-15	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/12	12/26/12	12/27/12	Time of first sample recorded
L56990-17	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	BLANK WTR	12/12/12	12/26/12	12/27/12	Carboy Blank @ KSBP01
WG124800-1	MB		MTICPMS-SEA	BLANK WTR		12/26/12	12/27/12	METHOD BLANK
WG124800-2	MB		MTICPMS-SEA	BLANK WTR		12/26/12	12/27/12	METHOD BLANK

WG125559

Sample	Project	Project Description	List Type	Matrix	Collect	Prep	Analysis	Comments
L56990-1	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	
L56990-2	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	
L56990-3	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	
L56990-4	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	
L56990-5	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	
L56990-6	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	
L56990-7	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	
L56990-8	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	
L56990-9	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	FREP@L56990-10
L56990-10	421162-300	NPDES RW Charact. Study	MTICPMS-SEA	SALT WTR	12/12/12	02/25/13	02/25/13	
WG125559-1	MB		MTICPMS-SEA	BLANK WTR		02/25/13	02/25/13	METHOD BLANK
WG125559-2	SB		MTICPMS-SEA	BLANK WTR		02/25/13	02/25/13	WG125559-1 MS-SEA SPIKE BLANK
WG125559-3	MS		MTICPMS-SEA	SALT WTR		02/25/13	02/25/13	L56990-9 MS-SEA MATRIX SPIKE
WG125559-4	MSD		MTICPMS-SEA	SALT WTR		02/25/13	02/25/13	WG125559-3 L56990-9 MS-SEA MSD

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WG117399

MB:WG117399-1 Matrix: BLANK WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Hardness, Calc	0.331	0.331	g CaCO3	<MDL	

MB:WG117399-1 Matrix: BLANK WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Magnesium, Total, ICP-MS	50	50	ug/L	<MDL	
Calcium, Total, ICP-MS	50	50	ug/L	<MDL	

SB:WG117399-2 MB:WG117399-1 Matrix: BLANK WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	<MDL	33.1	33.5	101		85--115

SB:WG117399-2 MB:WG117399-1 Matrix: BLANK WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Magnesium, Total, ICP-MS	50	50	ug/L	<MDL	5000	5240	105		85--115
Calcium, Total, ICP-MS	50	50	ug/L	<MDL	5000	4770	95		85--115

LD:WG117399-3 L53619-13 Matrix: FRESH WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project:421162-300 Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	82.3	81.6	1		0--20

LD:WG117399-3 L53619-13 Matrix: FRESH WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project:421162-300 Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	LabLimit
Magnesium, Total, ICP-MS	50	50	ug/L	13500	13400	1		0--20
Calcium, Total, ICP-MS	50	50	ug/L	10700	10500	2		0--20

MS:WG117399-4 L53619-13 Matrix: FRESH WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project:421162-300 Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	82.3	33.1	115	98		75--125

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MS:WG117399-4 L53619-13 Matrix: FRESH WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project:421162-300 Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit
Magnesium, Total, ICP-MS	50	50	ug/L	13500	5000	18700	103		75--125
Calcium, Total, ICP-MS	50	50	ug/L	10700	5000	15100	88		75--125

WG119704

MB:WG119704-1 Matrix: BLANK WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Hardness, Calc	0.331	0.331	g CaCO3	<MDL	

MB:WG119704-1 Matrix: BLANK WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Magnesium, Total, ICP-MS	50	50	ug/L	<MDL	
Calcium, Total, ICP-MS	50	50	ug/L	<MDL	

SB:WG119704-2 MB:WG119704-1 Matrix: BLANK WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	<MDL	33.1	32.7	99		85--115

SB:WG119704-2 MB:WG119704-1 Matrix: BLANK WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Magnesium, Total, ICP-MS	50	50	ug/L	<MDL	5000	5180	104		85--115
Calcium, Total, ICP-MS	50	50	ug/L	<MDL	5000	4560	91		85--115

LD:WG119704-3 L54760-11 Matrix: FRESH WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project:421162-300 Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	LabLimit
Hardness, Calc	1.65	1.65	g CaCO3	719	704	2		0--20

LD:WG119704-3 L54760-11 Matrix: FRESH WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project:421162-300 Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	LabLimit
Magnesium, Total, ICP-MS	250	250	ug/L	142000	138000	2		0--20
Calcium, Total, ICP-MS	250	250	ug/L	54600	53800	2		0--20

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MS:WG119704-4 L54760-11 Matrix: FRESH WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project:421162-300 Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit
Hardness, Calc	1.65	1.65	g CaCO3	719	33.1	723		4xRule	75--125

MS:WG119704-4 L54760-11 Matrix: FRESH WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project:421162-300 Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit
Magnesium, Total, ICP-MS	250	250	ug/L	142000	5000	141000		4xRule	75--125
Calcium, Total, ICP-MS	250	250	ug/L	54600	5000	57700		4xRule	75--125

WG123247

MB:WG123247-1 Matrix: BLANK WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Hardness, Calc	0.331	0.331	g CaCO3	<MDL	

MB:WG123247-1 Matrix: BLANK WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Beryllium, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Sodium, Total, ICP-MS	100	100	ug/L	<MDL	
Magnesium, Total, ICP-MS	50	50	ug/L	<MDL	
Aluminum, Total, ICP-MS	2	10	ug/L	2.3	B
Potassium, Total, ICP-MS	100	500	ug/L	<MDL	
Calcium, Total, ICP-MS	50	50	ug/L	<MDL	
Vanadium, Total, ICP-MS	0.075	0.375	ug/L	<MDL	
Chromium, Total, ICP-MS	0.2	1	ug/L	<MDL	
Iron, Total, ICP-MS	10	50	ug/L	<MDL	
Manganese, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Cobalt, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Copper, Total, ICP-MS	0.4	2	ug/L	<MDL	
Zinc, Total, ICP-MS	0.5	2.5	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Selenium, Total, ICP-MS	0.5	1	ug/L	<MDL	
Silver, Total, ICP-MS	0.04	0.2	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Tin, Total, ICP-MS	0.3	1.5	ug/L	<MDL	
Antimony, Total, ICP-MS	0.3	1	ug/L	<MDL	

Barium, Total, ICP-MS	0.05	0.25	ug/L	<MDL
Thallium, Total, ICP-MS	0.04	0.2	ug/L	<MDL
Lead, Total, ICP-MS	0.1	0.5	ug/L	<MDL

SB:WG123247-2 MB:WG123247-1 Matrix: BLANK WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	<MDL	33.1	30.9	94		85--115

SB:WG123247-2 MB:WG123247-1 Matrix: BLANK WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Beryllium, Total, ICP-MS	0.1	0.5	ug/L	<MDL	20	18.9	95		85--115
Sodium, Total, ICP-MS	100	100	ug/L	<MDL	5000	5000	100		85--115
Magnesium, Total, ICP-MS	50	50	ug/L	<MDL	5000	4570	91		85--115
Aluminum, Total, ICP-MS	2	10	ug/L	2.3	20	23.1	104		85--115
Potassium, Total, ICP-MS	100	500	ug/L	<MDL	5000	5030	101		85--115
Calcium, Total, ICP-MS	50	50	ug/L	<MDL	5000	4860	97		85--115
Vanadium, Total, ICP-MS	0.075	0.375	ug/L	<MDL	20	19.9	100		85--115
Chromium, Total, ICP-MS	0.2	1	ug/L	<MDL	20	20.3	101		85--115
Iron, Total, ICP-MS	10	50	ug/L	<MDL	5000	4900	98		85--115
Manganese, Total, ICP-MS	0.1	0.5	ug/L	<MDL	20	21.6	108		85--115
Cobalt, Total, ICP-MS	0.05	0.25	ug/L	<MDL	20	19.9	99		85--115
Nickel, Total, ICP-MS	0.1	0.5	ug/L	<MDL	20	19.1	96		85--115
Copper, Total, ICP-MS	0.4	2	ug/L	<MDL	20	20	100		85--115
Zinc, Total, ICP-MS	0.5	2.5	ug/L	<MDL	20	20.4	102		85--115
Arsenic, Total, ICP-MS	0.1	0.5	ug/L	<MDL	20	19.3	96		85--115
Selenium, Total, ICP-MS	0.5	1	ug/L	<MDL	20	20.3	102		85--115
Silver, Total, ICP-MS	0.04	0.2	ug/L	<MDL	20	19	95		85--115
Cadmium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	20	19.2	96		85--115
Tin, Total, ICP-MS	0.3	1.5	ug/L	<MDL	20	19.7	99		85--115
Antimony, Total, ICP-MS	0.3	1	ug/L	<MDL	20	19.8	99		85--115
Barium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	20	18.8	94		85--115
Thallium, Total, ICP-MS	0.04	0.2	ug/L	<MDL	20	20.2	101		85--115
Lead, Total, ICP-MS	0.1	0.5	ug/L	<MDL	20	20.3	101		85--115

LD:WG123247-3 L56320-2 Matrix: FRESH WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project:421422-CHSW-M Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	63.1	60	5		0--20

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LD:WG123247-3 L56320-2 Matrix: FRESH WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project:421422-CHSW-M Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	LabLimit
Beryllium, Total, ICP-MS	0.1	0.5	ug/L	<MDL	<MDL			0--20
Sodium, Total, ICP-MS	100	100	ug/L	6640	6180	7		0--20
Magnesium, Total, ICP-MS	50	50	ug/L	5550	5310	4		0--20
Aluminum, Total, ICP-MS	2	10	ug/L	110	104	5		0--20
Potassium, Total, ICP-MS	100	500	ug/L	1070	994	7		0--20
Calcium, Total, ICP-MS	50	50	ug/L	16100	15300	5		0--20
Vanadium, Total, ICP-MS	0.075	0.375	ug/L	1.54	1.37	11		0--20
Chromium, Total, ICP-MS	0.2	1	ug/L	0.29	0.27			0--20
Iron, Total, ICP-MS	10	50	ug/L	136	125	8		0--20
Manganese, Total, ICP-MS	0.1	0.5	ug/L	21.7	20.3	7		0--20
Cobalt, Total, ICP-MS	0.05	0.25	ug/L	0.081	0.082			0--20
Nickel, Total, ICP-MS	0.1	0.5	ug/L	0.29	0.29			0--20
Copper, Total, ICP-MS	0.4	2	ug/L	0.62	0.57			0--20
Zinc, Total, ICP-MS	0.5	2.5	ug/L	3.95	3.71	6		0--20
Arsenic, Total, ICP-MS	0.1	0.5	ug/L	0.46	0.43			0--20
Selenium, Total, ICP-MS	0.5	1	ug/L	<MDL	<MDL			0--20
Silver, Total, ICP-MS	0.04	0.2	ug/L	<MDL	<MDL			0--20
Cadmium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	<MDL			0--20
Tin, Total, ICP-MS	0.3	1.5	ug/L	<MDL	<MDL			0--20
Antimony, Total, ICP-MS	0.3	1	ug/L	<MDL	<MDL			0--20
Barium, Total, ICP-MS	0.05	0.25	ug/L	6.84	6.33	8		0--20
Thallium, Total, ICP-MS	0.04	0.2	ug/L	<MDL	<MDL			0--20
Lead, Total, ICP-MS	0.1	0.5	ug/L	0.14	0.14			0--20

MS:WG123247-4 L56320-2 Matrix: FRESH WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project:421422-CHSW-M Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	63.1	33.1	89.6	80		75--125

MS:WG123247-4 L56320-2 Matrix: FRESH WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project:421422-CHSW-M Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit
Beryllium, Total, ICP-MS	0.1	0.5	ug/L	<MDL	20	18.7	93		75--125
Sodium, Total, ICP-MS	100	100	ug/L	6640	5000	10800	83		75--125
Magnesium, Total, ICP-MS	50	50	ug/L	5550	5000	9720	83		75--125
Aluminum, Total, ICP-MS	2	10	ug/L	110	20	126		4xRule	75--125
Potassium, Total, ICP-MS	100	500	ug/L	1070	5000	5890	97		75--125
Calcium, Total, ICP-MS	50	50	ug/L	16100	5000	19800	75		75--125

Vanadium, Total, ICP-MS	0.075	0.375	ug/L	1.54	20	21	97	75--125
Chromium, Total, ICP-MS	0.2	1	ug/L	0.29	20	20.2	99	75--125
Iron, Total, ICP-MS	10	50	ug/L	136	5000	5020	98	75--125
Manganese, Total, ICP-MS	0.1	0.5	ug/L	21.7	20	39.9	91	75--125
Cobalt, Total, ICP-MS	0.05	0.25	ug/L	0.081	20	18.7	93	75--125
Nickel, Total, ICP-MS	0.1	0.5	ug/L	0.29	20	19.6	97	75--125
Copper, Total, ICP-MS	0.4	2	ug/L	0.62	20	20.4	99	75--125
Zinc, Total, ICP-MS	0.5	2.5	ug/L	3.95	20	24	100	75--125
Arsenic, Total, ICP-MS	0.1	0.5	ug/L	0.46	20	19.3	94	75--125
Selenium, Total, ICP-MS	0.5	1	ug/L	<MDL	20	19.4	97	75--125
Silver, Total, ICP-MS	0.04	0.2	ug/L	<MDL	20	19.1	95	75--125
Cadmium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	20	19	95	75--125
Tin, Total, ICP-MS	0.3	1.5	ug/L	<MDL	20	18.9	94	75--125
Antimony, Total, ICP-MS	0.3	1	ug/L	<MDL	20	19.6	98	75--125
Barium, Total, ICP-MS	0.05	0.25	ug/L	6.84	20	25.2	92	75--125
Thallium, Total, ICP-MS	0.04	0.2	ug/L	<MDL	20	20.1	100	75--125
Lead, Total, ICP-MS	0.1	0.5	ug/L	0.14	20	20.4	101	75--125

WG125075

MB:WG125075-1 Matrix: BLANK WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Hardness, Calc	0.331	0.331	g CaCO3	<MDL	

MB:WG125075-1 Matrix: BLANK WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Magnesium, Total, ICP-MS	50	50	ug/L	<MDL	
Calcium, Total, ICP-MS	50	50	ug/L	<MDL	

SB:WG125075-2 MB:WG125075-1 Matrix: BLANK WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	<MDL	33.1	32.7	99		85--115

SB:WG125075-2 MB:WG125075-1 Matrix: BLANK WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Magnesium, Total, ICP-MS	50	50	ug/L	<MDL	5000	5000	100		85--115
Calcium, Total, ICP-MS	50	50	ug/L	<MDL	5000	4840	97		85--115

LIMSView QC Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

LD:WG125075-3 L56989-1 Matrix: FRESH WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project:421162-300 Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	25.6	25.2	1		0--20

LD:WG125075-3 L56989-1 Matrix: FRESH WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project:421162-300 Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	LabLimit
Magnesium, Total, ICP-MS	50	50	ug/L	2430	2370	3		0--20
Calcium, Total, ICP-MS	50	50	ug/L	6230	6190	1		0--20

MS:WG125075-4 L56989-1 Matrix: FRESH WTR Listtype:MTHARD-ICPMS Method:EPA 200.8/SW846 6020A*SM2340B Project:421162-300 Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit
Hardness, Calc	0.331	0.331	g CaCO3	25.6	33.1	57.4	96		75--125

MS:WG125075-4 L56989-1 Matrix: FRESH WTR Listtype:MTICPMS Method:EPA 200.8*SW846 6020A Project:421162-300 Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit
Magnesium, Total, ICP-MS	50	50	ug/L	2430	5000	7330	98		75--125
Calcium, Total, ICP-MS	50	50	ug/L	6230	5000	10900	93		75--125

WG116464

MB:WG116464-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG116464-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG116464-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG116464-4 MB:WG116464-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00486	97		77--123

MSD:WG116464-6 MS:WG116464-5 L53592-1 Matrix: EFFLUENT Listtype:MTHG-CVAF Method:EPA 1631E Project:421936 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00048	0.005	0.00558	102		71--125	0.005	0.00564	103		1		0--24

MSD:WG116464-8 MS:WG116464-7 L53619-13 Matrix: FRESH WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00199	0.005	0.00677	96		71--125	0.005	0.00692	99		2		0--24

WG116695

MB:WG116695-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG116695-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG116695-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG116695-4 MB:WG116695-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00465	93		77--123

MSD:WG116695-6 MS:WG116695-5 L53626-7 Matrix: SALT WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00023	0.005	0.0042	79		71--125	0.005	0.00416	79		1		0--24

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WG119056

MB:WG119056-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG119056-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG119056-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG119056-4 MB:WG119056-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00448	90		77--123

MSD:WG119056-6 MS:WG119056-5 L54782-2 Matrix: OTHR WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:423258-500-1 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.000588	0.005	0.00501	88		71--125	0.005	0.00502	89		0		0--24

MSD:WG119056-8 MS:WG119056-7 L54760-11 Matrix: FRESH WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.000608	0.005	0.00548	98		71--125	0.005	0.00525	93		4		0--24

WG119177

MB:WG119177-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG119177-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG119177-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG119177-4 MB:WG119177-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00467	93		77--123

MSD:WG119177-6 MS:WG119177-5 L54760-3 Matrix: FRESH WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.000656	0.005	0.00522	91		71--125	0.005	0.00554	98		6		0--24

MSD:WG119177-8 MS:WG119177-7 L54765-7 Matrix: SALT WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00023	0.005	0.00479	91		71--125	0.005	0.00488	93		2		0--24

WG122560

MB:WG122560-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122560-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122560-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

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SB:WG122560-4 MB:WG122560-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00464	93		77--123

MSD:WG122560-6 MS:WG122560-5 L56061-1 Matrix: FRESH WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00158	0.005	0.00653	99		71--125	0.005	0.00681	105		4		0--24

WG122713

MB:WG122713-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122713-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122713-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG122713-4 MB:WG122713-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00499	100		77--123

MSD:WG122713-6 MS:WG122713-5 L56062-2 Matrix: SALT WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00416	83		71--125	0.005	0.00425	85		2		0--24

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WG122844

MB:WG122844-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122844-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122844-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG122844-4 MB:WG122844-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00472	94		77--123

MSD:WG122844-6 MS:WG122844-5 L56299-7 Matrix: EFFLUENT Listtype:MTHG-CVAF Method:EPA 1631E Project:421186B Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00274	0.005	0.00705	86		71--125	0.005	0.00698	85		1		0--24

MSD:WG122844-8 MS:WG122844-7 L56301-7 Matrix: EFFLUENT Listtype:MTHG-CVAF Method:EPA 1631E Project:421186B Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00293	0.005	0.00707	83		71--125	0.005	0.00671	76		5		0--24

WG125309

MB:WG125309-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG125309-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG125309-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG125309-4 MB:WG125309-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00508	102		77--123

MSD:WG125309-6 MS:WG125309-5 L56990-1 Matrix: SALT WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00034	0.005	0.00544	102		71--125	0.005	0.00545	102		0		0--24

MSD:WG125309-8 MS:WG125309-7 L56990-10 Matrix: SALT WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00036	0.005	0.00556	104		71--125	0.005	0.00554	104		0		0--24

WG125324

MB:WG125324-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG125324-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG125324-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG125324-4 MB:WG125324-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00502	100		77--123

MSD:WG125324-6 MS:WG125324-5 L56989-1 Matrix: FRESH WTR Listtype:MTHG-CVAF Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Total, CVAF	2E-04	5E-04	ug/L	0.00125	0.005	0.00597	94		71--125	0.005	0.00625	100		5		0--24

WG116496

MB:WG116496-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG116496-2 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG116496-3 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG116496-4 MB:WG116496-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00475	95		77--123

MSD:WG116496-6 MS:WG116496-5 L53619-1 Matrix: FRESH WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	0.00043	0.005	0.00531	98		71--125	0.005	0.00528	97		1		0--24

MSD:WG116496-8 MS:WG116496-7 L53626-10 Matrix: SALT WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	0.00023	0.005	0.00502	96		71--125	0.005	0.00503	96		0		0--24

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WG119081

MB:WG119081-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG119081-2 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG119081-3 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG119081-4 MB:WG119081-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00443	89		77--123

MSD:WG119081-6 MS:WG119081-5 L54760-1 Matrix: FRESH WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	0.00033	0.005	0.00517	97		71--125	0.005	0.00486	90		6		0--24

MSD:WG119081-8 MS:WG119081-7 L54765-10 Matrix: SALT WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00441	88		71--125	0.005	0.00474	95		7		0--24

WG122629

MB:WG122629-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122629-2 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122629-3 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG122629-4 MB:WG122629-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.005	100		77--123

MSD:WG122629-6 MS:WG122629-5 L56061-1 Matrix: FRESH WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	0.0003	0.005	0.00492	92		71--125	0.005	0.00533	101		8		0--24

WG122712

MB:WG122712-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122712-2 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG122712-3 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG122712-4 MB:WG122712-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00511	102		77--123

MSD:WG122712-6 MS:WG122712-5 L56062-10 Matrix: SALT WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00403	81		71--125	0.005	0.00414	83		3		0--24

WG124900

MB:WG124900-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG124900-2 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

MB:WG124900-3 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	

SB:WG124900-4 MB:WG124900-1 Matrix: BLANK WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00511	102		77--123

MSD:WG124900-6 MS:WG124900-5 L56989-1 Matrix: FRESH WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	0.000884	0.005	0.00577	98		71--125	0.005	0.00579	98		0		0--24

MSD:WG124900-8 MS:WG124900-7 L56990-10 Matrix: SALT WTR Listtype:MTHG-CVAF-DISS Method:EPA 1631E Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Mercury, Dissolved, CVAF	2E-04	5E-04	ug/L	<MDL	0.005	0.00437	87		71--125	0.005	0.00429	86		2		0--24

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WG116281

MB:WG116281-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG116281-2 MB:WG116281-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	0.25	0.25	99		75--125
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.25	1.09	87		75--125
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.25	1.08	86		75--125
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	1.25	0.94	75		75--125
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	1.25	1.24	100		75--125
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.25	0.218	87		75--125
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.224	90		75--125
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.245	98		75--125
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.238	95		75--125

MSD:WG116281-4 MS:WG116281-3 L53619-2 Matrix: FRESH WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	0.057	0.25	0.311	102		70--130	0.25	0.321	106		3		0--20
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	0.216	1.25	1.49	102		70--130	1.25	1.73	121		15		0--20
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	0.306	1.25	1.5	96		70--130	1.25	1.42	89		6		0--20
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	0.47	1.25	1.42	76		70--130	1.25	1.62	92		13		0--20
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	0.407	1.25	1.55	92		70--130	1.25	1.64	98		5		0--20
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.25	0.237	95		70--130	0.25	0.249	100		5		0--20
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.214	86		70--130	0.25	0.237	95		10		0--20
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	0.0342	0.25	0.346	125		70--130	0.25	0.359	130		3		0--20
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	0.013	0.25	0.229	86		70--130	0.25	0.259	99		12		0--20

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WG117861

MB:WG117861-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG117861-2 MB:WG117861-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	0.25	0.24	98		75--125
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.25	1.14	91		75--125
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.25	1.09	87		75--125
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	1.25	0.951	76		75--125
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	1.25	1.22	98		75--125
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.25	0.25	100		75--125
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.243	97		75--125
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.236	94		75--125
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.247	99		75--125

MSD:WG117861-4 MS:WG117861-3 L53626-1 Matrix: SALT WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	0.099	0.25	0.35	100		70--130	0.25	0.351	101		0		0--20
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	0.405	1.25	1.62	97		70--130	1.25	1.61	97		0		0--20
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	0.348	1.25	1.47	89		70--130	1.25	1.44	87		2		0--20
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	0.635	1.25	1.62	79		70--130	1.25	1.62	79		0		0--20
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	1.15	1.25	2.35	96		70--130	1.25	2.34	95		1		0--20
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	0.019	0.25	0.285	106		70--130	0.25	0.286	107		0		0--20
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	0.0566	0.25	0.291	94		70--130	0.25	0.289	93		1		0--20
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	0.157	0.25	0.383	90		70--130	0.25	0.377	88		2		0--20
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.256	103		70--130	0.25	0.255	102		1		0--20

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WG119280

MB:WG119280-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG119280-2 MB:WG119280-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.492	98		75--125
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.37	92		75--125
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.35	90		75--125
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.4	93		75--125
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.4	93		75--125
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.49	98		75--125
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.468	94		75--125
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.501	100		75--125
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.473	95		75--125

MSD:WG119280-4 MS:WG119280-3 L54760-2 Matrix: FRESH WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	0.086	0.5	0.617	106		70--130	0.5	0.621	107		1		0--20
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	0.981	1.5	2.63	110		70--130	1.5	2.66	112		1		0--20
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	0.377	1.5	1.8	95		70--130	1.5	1.84	98		2		0--20
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	0.988	1.5	2.38	92		70--130	1.5	2.41	95		1		0--20
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	0.459	1.5	2.11	110		70--130	1.5	2.1	110		1		0--20
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.502	100		70--130	0.5	0.509	102		1		0--20
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	0.019	0.5	0.449	86		70--130	0.5	0.462	89		3		0--20
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	0.0584	0.5	0.548	98		70--130	0.5	0.526	94		4		0--20
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.385	77		70--130	0.5	0.381	76		1		0--20

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WG119326

MB:WG119326-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG119326-2 MB:WG119326-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.489	98		75--125
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.48	99		75--125
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.41	94		75--125
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.42	95		75--125
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.43	95		75--125
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.477	95		75--125
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.45	90		75--125
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.444	89		75--125
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.445	89		75--125

MSD:WG119326-4 MS:WG119326-3 L54765-10 Matrix: SALT WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	0.1	0.5	0.639	108		70--130	0.5	0.605	101		5		0--20
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	0.395	1.5	1.98	106		70--130	1.5	1.89	100		5		0--20
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	0.283	1.5	1.83	103		70--130	1.5	1.74	97		5		0--20
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	0.46	1.5	2.02	104		70--130	1.5	1.84	91		10		0--20
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	1.46	1.5	3.08	108		70--130	1.5	2.99	102		3		0--20
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	0.026	0.5	0.57	109		70--130	0.5	0.526	100		8		0--20
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	0.0749	0.5	0.563	98		70--130	0.5	0.529	91		6		0--20
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	0.171	0.5	0.681	102		70--130	0.5	0.633	92		7		0--20
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.48	96		70--130	0.5	0.445	89		8		0--20

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WG122900

MB:WG122900-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG122900-2 MB:WG122900-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.482	96		75--125
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.498	100		75--125
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.6	107		75--125
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.5	100		75--125
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.39	93		75--125
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.39	93		75--125
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.508	102		75--125
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.517	103		75--125

MSD:WG122900-4 MS:WG122900-3 L56061-2 Matrix: FRESH WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	0.07	0.5	0.564	99		70--130	0.5	0.557	97		1		0--20
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.491	98		70--130	0.5	0.488	98		1		0--20
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	0.55	1.5	2.18	109		70--130	1.5	2.09	103		4		0--20
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	0.26	1.5	1.77	101		70--130	1.5	1.76	100		1		0--20
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	0.44	1.5	2.18	116		70--130	1.5	2.16	115		1		0--20
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	0.813	1.5	2.44	109		70--130	1.5	2.35	102		4		0--20
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.52	104		70--130	0.5	0.527	105		1		0--20
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	0.017	0.5	0.519	100		70--130	0.5	0.52	101		0		0--20

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WG123691

MB:WG123691-1 Matrix: SALT WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG123691-2 MB:WG123691-1 Matrix: SALT WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.469	94		75--125
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.477	95		75--125
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.55	103		75--125
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.477	95		75--125
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.56	104		75--125
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.42	95		75--125
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.54	102		75--125
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.48	96		75--125
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.455	91		75--125

MSD:WG123691-4 MS:WG123691-3 L56062-7 Matrix: SALT WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	0.18	0.5	0.623	89		70--130	0.5	0.621	88		0		0--20
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.482	96		70--130	0.5	0.479	96		1		0--20
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	1.28	1.5	2.85	105		70--130	1.5	2.87	106		1		0--20
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	0.143	0.5	0.588	89		70--130	0.5	0.582	88		1		0--20
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	0.406	1.5	1.95	103		70--130	1.5	1.95	103		0		0--20
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	0.387	1.5	1.91	102		70--130	1.5	1.89	100		1		0--20
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	0.571	1.5	1.96	93		70--130	1.5	1.96	93		0		0--20
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	0.0618	0.5	0.567	101		70--130	0.5	0.558	99		2		0--20
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	0.0063	0.5	0.492	97		70--130	0.5	0.485	96		2		0--20

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WG124746

MB:WG124746-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG124746-2 MB:WG124746-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.463	93		75--125
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.485	97		75--125
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.56	104		75--125
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.52	101		75--125
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.43	95		75--125
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.36	91		75--125
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.518	104		75--125
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.522	104		75--125

MSD:WG124746-4 MS:WG124746-3 L56989-1 Matrix: FRESH WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	0.072	0.5	0.598	105		70--130	0.5	0.546	95		9		0--20
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	0.022	0.5	0.501	96		70--130	0.5	0.494	94		2		0--20
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	0.401	1.5	1.95	104		70--130	1.5	1.91	100		2		0--20
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	0.156	1.5	1.5	90		70--130	1.5	1.52	91		1		0--20
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	0.507	1.5	1.98	98		70--130	1.5	1.96	97		1		0--20
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	0.628	1.5	1.99	91		70--130	1.5	2.03	93		2		0--20
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.523	105		70--130	0.5	0.525	105		0		0--20
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	0.022	0.5	0.544	104		70--130	0.5	0.546	105		0		0--20

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WG124855

MB:WG124855-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG124855-2 MB:WG124855-1 Matrix: BLANK WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.538	108		75--125
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.513	103		75--125
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.57	104		75--125
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.517	103		75--125
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.67	111		75--125
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.5	100		75--125
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.52	101		75--125
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.498	100		75--125
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.494	99		75--125

MSD:WG124855-4 MS:WG124855-3 L56990-9 Matrix: SALT WTR Listtype:MTICPMS-DISS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Dissolved, ICP-MS	0.05	0.25	ug/L	0.091	0.5	0.612	104		70--130	0.5	0.615	105		0		0--20
Silver, Dissolved, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.569	114		70--130	0.5	0.542	108		5		0--20
Arsenic, Dissolved, ICP-MS	0.01	0.05	ug/L	1.45	1.5	2.9	97		70--130	1.5	2.96	101		2		0--20
Antimony, Dissolved, ICP-MS	0.005	0.025	ug/L	0.165	0.5	0.637	95		70--130	0.5	0.641	95		1		0--20
Nickel, Dissolved, ICP-MS	0.025	0.125	ug/L	0.424	1.5	2.08	110		70--130	1.5	2.07	110		0		0--20
Copper, Dissolved, ICP-MS	0.025	0.125	ug/L	0.266	1.5	1.74	98		70--130	1.5	1.78	101		3		0--20
Zinc, Dissolved, ICP-MS	0.1	0.5	ug/L	0.35	1.5	1.89	103		70--130	1.5	1.82	98		4		0--20
Cadmium, Dissolved, ICP-MS	0.005	0.025	ug/L	0.0717	0.5	0.565	99		70--130	0.5	0.57	100		1		0--20
Lead, Dissolved, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.493	99		70--130	0.5	0.494	99		0		0--20

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WG116287

SB:WG116287-1 MB:WG116287-3 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.25	0.24	97		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.25	1.22	97		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.037	1.25	1.08	83		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.25	0.98	78		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.25	1.2	96		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.25	0.232	93		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.241	96		75--125
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.267	107		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.248	99		75--125

SB:WG116287-2 MB:WG116287-4 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.25	0.24	97		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.25	1.22	97		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.029	1.25	1.08	84		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.25	0.984	79		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.25	1.2	96		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.25	0.235	94		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.239	96		75--125
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.267	107		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.246	99		75--125

MB:WG116287-3 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.037	B
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

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MB:WG116287-4 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.029	B
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

MSD:WG116287-6 MS:WG116287-5 L53619-1 Matrix: FRESH WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.12	0.25	0.354	95		70--130	0.25	0.336	88		5		0--20
Nickel, Total, ICP-MS	0.025	0.125	ug/L	0.312	1.25	1.73	113		70--130	1.25	1.7	111		2		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.613	1.25	1.97	108		70--130	1.25	1.95	107		1		0--20
Zinc, Total, ICP-MS	0.1	0.5	ug/L	0.867	1.25	2.01	91		70--130	1.25	1.98	89		1		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	0.506	1.25	1.65	92		70--130	1.25	1.62	89		2		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	0.01	0.25	0.24	92		70--130	0.25	0.244	94		2		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	0.0053	0.25	0.243	95		70--130	0.25	0.242	95		0		0--20
Antimony, Total, ICP-MS	0.005	0.025	ug/L	0.0367	0.25	0.262	90		70--130	0.25	0.258	89		1		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.0681	0.25	0.304	94		70--130	0.25	0.302	94		0		0--20

MSD:WG116287-8 MS:WG116287-7 L53619-3 Matrix: FRESH WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.11	0.25	0.344	93		70--130	0.25	0.393	113		13		0--20
Nickel, Total, ICP-MS	0.025	0.125	ug/L	0.271	1.25	1.7	114		70--130	1.25	1.73	117		2		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.656	1.25	2.09	115		70--130	1.25	2	108		4		0--20
Zinc, Total, ICP-MS	0.1	0.5	ug/L	0.938	1.25	2.11	94		70--130	1.25	2.03	87		4		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	0.485	1.25	1.61	90		70--130	1.25	1.54	84		4		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.25	0.245	98		70--130	0.25	0.242	97		1		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	0.0052	0.25	0.248	97		70--130	0.25	0.25	98		0		0--20
Antimony, Total, ICP-MS	0.005	0.025	ug/L	0.0362	0.25	0.26	90		70--130	0.25	0.27	93		4		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.092	0.25	0.338	98		70--130	0.25	0.334	97		1		0--20

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WG116666

SB:WG116666-2 MB:WG116666-4 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.25	0.25	98		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.25	1.16	92		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.25	1.13	90		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.25	0.999	80		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.25	1.18	94		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.25	0.26	104		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.247	99		75--125
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.238	95		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.25	0.252	101		75--125

MB:WG116666-4 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

MSD:WG116666-8 MS:WG116666-7 L53626-1 Matrix: SALT WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.088	0.25	0.333	98		70--130	0.25	0.332	98		0		0--20
Nickel, Total, ICP-MS	0.025	0.125	ug/L	0.421	1.25	1.63	97		70--130	1.25	1.6	95		2		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.377	1.25	1.5	90		70--130	1.25	1.47	87		2		0--20
Zinc, Total, ICP-MS	0.5	2.5	ug/L	0.89	1.25	2.3	110		70--130	1.25	2.1	95		9		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	1.11	1.25	2.23	90		70--130	1.25	2.18	85		2		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	0.016	0.25	0.28	106		70--130	0.25	0.282	107		1		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	0.0636	0.25	0.308	98		70--130	0.25	0.304	96		1		0--20
Antimony, Total, ICP-MS	0.005	0.025	ug/L	0.154	0.25	0.372	87		70--130	0.25	0.368	86		1		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.0091	0.25	0.268	103		70--130	0.25	0.259	100		3		0--20

LIMSView QC Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

WG118832

MB:WG118832-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

WG119016

MB:WG119016-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.026	B
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG119016-2 MB:WG119016-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.489	98		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.49	99		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.026	1.5	1.48	97		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.38	92		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.46	97		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.497	99		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.535	107		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.476	95		75--125

LIMSView QC Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

MSD:WG119016-4 MS:WG119016-3 L54760-2 Matrix: FRESH WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.18	0.5	0.678	101		70--130	0.5	0.696	104		3		0--20
Nickel, Total, ICP-MS	0.025	0.125	ug/L	0.951	1.5	2.7	117		70--130	1.5	2.72	118		1		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.894	1.5	2.43	102		70--130	1.5	2.4	100		1		0--20
Zinc, Total, ICP-MS	0.1	0.5	ug/L	1.28	1.5	2.67	93		70--130	1.5	2.65	91		1		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	0.656	1.5	2.19	102		70--130	1.5	2.19	102		0		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	0.012	0.5	0.475	93		70--130	0.5	0.471	92		1		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	0.016	0.5	0.51	99		70--130	0.5	0.493	95		3		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.0572	0.5	0.467	82		70--130	0.5	0.454	79		3		0--20

WG119157

MB:WG119157-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG119157-2 MB:WG119157-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.473	95		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.38	92		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.3	87		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.38	92		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.44	96		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.484	97		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.477	95		75--125
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.49	98		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.477	95		75--125

LIMSView QC Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

MSD:WG119157-4 MS:WG119157-3 L54760-3 Matrix: FRESH WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.18	0.5	0.734	111		70--130	0.5	0.719	108		2		0--20
Nickel, Total, ICP-MS	0.025	0.125	ug/L	0.748	1.5	2.52	118		70--130	1.5	2.54	120		1		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.636	1.5	2.16	102		70--130	1.5	2.13	100		1		0--20
Zinc, Total, ICP-MS	0.1	0.5	ug/L	1.32	1.5	2.82	100		70--130	1.5	2.86	102		1		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	0.659	1.5	2.26	107		70--130	1.5	2.4	116		6		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	0.011	0.5	0.517	101		70--130	0.5	0.528	103		2		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	0.023	0.5	0.509	97		70--130	0.5	0.502	96		1		0--20
Antimony, Total, ICP-MS	0.005	0.025	ug/L	0.062	0.5	0.537	95		70--130	0.5	0.568	101		6		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.0566	0.5	0.475	84		70--130	0.5	0.469	83		1		0--20

WG119325

MB:WG119325-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG119325-2 MB:WG119325-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.493	99		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.35	90		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.4	93		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.47	98		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.33	89		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.5	100		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.468	94		75--125
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.534	107		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.456	91		75--125

MSD:WG119325-4 MS:WG119325-3 L54765-8 Matrix: SALT WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.11	0.5	0.611	100		70--130	0.5	0.633	104		4		0--20
Nickel, Total, ICP-MS	0.025	0.125	ug/L	0.434	1.5	2	105		70--130	1.5	1.91	98		5		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.385	1.5	1.88	100		70--130	1.5	1.91	102		1		0--20
Zinc, Total, ICP-MS	0.1	0.5	ug/L	0.44	1.5	1.89	97		70--130	1.5	1.94	100		2		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	1.42	1.5	2.89	98		70--130	1.5	2.98	104		3		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	0.03	0.5	0.525	99		70--130	0.5	0.56	106		6		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	0.071	0.5	0.547	95		70--130	0.5	0.554	97		1		0--20
Antimony, Total, ICP-MS	0.005	0.025	ug/L	0.163	0.5	0.593	86		70--130	0.5	0.619	91		4		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.018	0.5	0.478	92		70--130	0.5	0.483	93		1		0--20

WG122436

MB:WG122436-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG122436-2 MB:WG122436-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.51	102		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.494	99		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.5	100		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.4	93		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.39	93		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.37	91		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.506	101		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.5	100		75--125

LIMSView QC Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

MSD:WG122436-4 MS:WG122436-3 L56061-2 Matrix: FRESH WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.16	0.5	0.657	99		70--130	0.5	0.675	102		3		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.496	99		70--130	0.5	0.506	101		2		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	0.757	1.5	2.18	95		70--130	1.5	2.24	99		3		0--20
Nickel, Total, ICP-MS	0.13	0.625	ug/L	0.645	1.5	1.85	80		70--130	1.5	1.94	86		5		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.889	1.5	2.67	119		70--130	1.5	2.69	120		1		0--20
Zinc, Total, ICP-MS	0.1	0.5	ug/L	1.28	1.5	2.84	104		70--130	1.5	2.87	106		1		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	0.011	0.5	0.521	102		70--130	0.5	0.542	106		4		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.159	0.5	0.685	105		70--130	0.5	0.67	102		2		0--20

WG122819

MB:WG122819-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

MB:WG122819-2 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

LIMSView QC Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

WG122999

MB:WG122999-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG122999-2 MB:WG122999-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.488	98		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.505	101		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.62	108		75--125
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.514	103		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.54	103		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.48	99		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.55	103		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.526	105		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.515	103		75--125

MSD:WG122999-4 MS:WG122999-3 L56062-7 Matrix: SALT WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.16	0.5	0.628	94		70--130	0.5	0.584	86		7		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.518	104		70--130	0.5	0.503	101		3		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	1.3	1.5	2.85	103		70--130	1.5	2.84	102		0		0--20
Antimony, Total, ICP-MS	0.005	0.025	ug/L	0.171	0.5	0.616	89		70--130	0.5	0.632	92		3		0--20
Nickel, Total, ICP-MS	0.025	0.125	ug/L	0.511	1.5	1.94	95		70--130	1.5	1.91	93		2		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.441	1.5	1.85	94		70--130	1.5	1.8	91		3		0--20
Zinc, Total, ICP-MS	0.1	0.5	ug/L	0.519	1.5	1.9	92		70--130	1.5	1.9	92		0		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	0.0712	0.5	0.554	96		70--130	0.5	0.554	97		0		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.014	0.5	0.515	100		70--130	0.5	0.507	99		1		0--20

LIMSView QC Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

WG124799

MB:WG124799-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

SB:WG124799-2 MB:WG124799-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.49	98		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.469	94		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.51	101		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.47	98		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.41	94		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.36	90		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.509	102		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.512	102		75--125

MSD:WG124799-4 MS:WG124799-3 L56989-1 Matrix: FRESH WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.14	0.5	0.607	94		70--130	0.5	0.607	94		0		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	0.033	0.5	0.526	99		70--130	0.5	0.505	94		4		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	0.474	1.5	2.03	104		70--130	1.5	1.97	100		3		0--20
Nickel, Total, ICP-MS	0.025	0.125	ug/L	0.242	1.5	1.83	106		70--130	1.5	1.8	104		2		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.817	1.5	2.33	101		70--130	1.5	2.28	97		2		0--20
Zinc, Total, ICP-MS	0.1	0.5	ug/L	0.711	1.5	2.14	95		70--130	1.5	2.09	92		2		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.526	105		70--130	0.5	0.525	105		0		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.0859	0.5	0.593	101		70--130	0.5	0.594	102		0		0--20

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WG124800

MB:WG124800-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

MB:WG124800-2 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

WG125559

MB:WG125559-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	

LIMSView QC Report for NPDES Receiving Water Characterization Study - Data Validation for Metals

SB:WG125559-2 MB:WG125559-1 Matrix: BLANK WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	TrueValue	SB Value	% Rec.	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	<MDL	0.5	0.493	99		75--125
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.497	99		75--125
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	<MDL	1.5	1.53	102		75--125
Antimony, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.504	101		75--125
Nickel, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.56	104		75--125
Copper, Total, ICP-MS	0.025	0.125	ug/L	<MDL	1.5	1.47	98		75--125
Zinc, Total, ICP-MS	0.1	0.5	ug/L	<MDL	1.5	1.31	87		75--125
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.504	101		75--125
Lead, Total, ICP-MS	0.005	0.025	ug/L	<MDL	0.5	0.493	99		75--125

MSD:WG125559-4 MS:WG125559-3 L56990-9 Matrix: SALT WTR Listtype:MTICPMS-SEA Method:EPA 1640 Project:421162-300 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	TrueValue	MS Value	% Rec.	Qual	LabLimit	TrueValue	MSD Value	% Rec.	Qual	RPD	Qual	LabLimit
Chromium, Total, ICP-MS	0.05	0.25	ug/L	0.14	0.5	0.574	87		70--130	0.5	0.573	87		0		0--20
Silver, Total, ICP-MS	0.01	0.05	ug/L	<MDL	0.5	0.499	100		70--130	0.5	0.491	98		2		0--20
Arsenic, Total, ICP-MS	0.01	0.05	ug/L	1.49	1.5	2.95	97		70--130	1.5	2.95	98		0		0--20
Antimony, Total, ICP-MS	0.005	0.025	ug/L	0.174	0.5	0.678	101		70--130	0.5	0.691	103		2		0--20
Nickel, Total, ICP-MS	0.025	0.125	ug/L	0.404	1.5	1.69	86		70--130	1.5	1.73	88		2		0--20
Copper, Total, ICP-MS	0.025	0.125	ug/L	0.354	1.5	1.73	92		70--130	1.5	1.75	93		1		0--20
Zinc, Total, ICP-MS	0.1	0.5	ug/L	0.46	1.5	1.74	85		70--130	1.5	1.75	86		1		0--20
Cadmium, Total, ICP-MS	0.005	0.025	ug/L	0.0818	0.5	0.608	105		70--130	0.5	0.606	105		0		0--20
Lead, Total, ICP-MS	0.005	0.025	ug/L	0.0479	0.5	0.547	100		70--130	0.5	0.546	100		0		0--20