

LEGGETTE, BRASHEARS & GRAHAM, INC.

PROFESSIONAL GROUND-WATER AND
ENVIRONMENTAL ENGINEERING SERVICES

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April 4, 2006

Mr. Richard "Mike" Markey, P.G.
Gulf Power Company
500 Bayfront Parkway
P.O. Box 1151
Pensacola, Florida 32520-0328

RECEIVED

APR 12 2006

Industrial Wastewater
Section

Re: Report for Evaluation of Existing Data and Sampling Protocol
Gulf Power Scholz Electric Generating Plant
Sneads, Florida

Dear Mr. Markey:

INTRODUCTION

Leggette, Brashears & Graham, Inc. (LBG) is pleased to present this letter report to Gulf Power for evaluating water-quality data and sampling protocol for monitoring sites at the Scholz Electric Generating Plant (Scholz) in Sneads, Florida.

It was our understanding that based on the water-quality data collected at monitoring well MW-203MD from September 2000 through May 2004, concentrations of arsenic appear to be inconsistent. Inconsistencies in concentrations for iron, pH and specific conductance were also identified from the data. LBG was provided several documents containing data for the Scholz site. These documents included:

- Water-quality data tables for September 2000 through May 2004,
- A 1993 report for the site titled "Proposed Groundwater Monitoring Plan Gulf Power Company Scholz Electric Generating Plant Sneads, Florida,

LEGGETTE, BRASHEARS & GRAHAM, INC.

- A copy of the Industrial Wastewater Facility Permit and an Administrative Order issued by the Florida Department of Environmental Protection (FDEP).

Condition No. 7 of the Administrative Order generally states that Gulf Power shall conduct an engineering and/or geological evaluation to identify possible sources of arsenic pollution and ways to control it. This evaluation is to be completed and submitted 24 months after issue date of the Order, which is dated July 1, 2005. Hence, the required due date to the FDEP is July 1, 2007.

Based on our review of the data provided and listed above, a phased approach was proposed to Gulf Power for complying with the FDEP Administrative Order. This report has been prepared to summarize the findings of our investigations. The purpose of this first phase is to determine the accuracy of the data. Phase I consist of the following tasks:

1. Performed detailed review of existing data – This task included review of water quality and other hydrologic data at the Scholz site. Water quality for monitoring wells, ponds, soils and other sources were investigated. Water-level and rainfall data were also reviewed for the site.
2. Review sampling protocol – This task included a thorough review of the methods applied by Gulf Power for conducting water sampling and analysis at each required monitoring station.
3. Collected new data – This task included the collection of a new round of water samples from selected monitoring wells. The monitoring wells were selected based on the results obtained from Tasks 1 and 2. Water samples were analyzed according to currently required parameters. Split samples were also collected and analyzed by two different laboratories.

4. Reviewed existing reports – This task included the thorough review of existing reports prepared for the Scholz site. This task assisted in developing a good understanding of the site conditions and history.
5. Report preparation – This task included the preparation of this report describing the results of our Phase I activities. The report is provided in both hard-copy and electronic format.

The following sections describe all activities undertaken by LBG in order to complete the Phase I work for this project. These sections include; GROUND-WATER SAMPLE COLLECTION ACTIVITIES; HYDROGEOLOGY; GROUNDWATER FLOW DIRECTIONS; WATER-QUALITY ANALYSIS and CONCLUSIONS.

GROUND-WATER SAMPLE COLLECTION ACTIVITIES

Sampling Activities

On November 7th through November 9th, 2005, representatives of Leggette, Brashears & Graham (LBG) and RDH Environmental (RDH) collected ground-water samples from nine monitoring wells at the Scholz Electric Generating Plant (Sneads, Florida), owned and operated by Gulf Power Company (Gulf). **Figure 1** is a USGS quadrangle map showing the location of the power plant site. **Figure 2** is an aerial photograph from 2004 that also shows the power plant and the Apalachicola River. Samples were collected from four Surficial Aquifer monitoring wells (MW-110, MW-203S, MW-204S, and MW-205S) and five Floridan Aquifer monitoring wells (MW-203MD, MW-204MD, MW-205MD, MW-210MD, and MW-212MD). The locations of the monitoring wells are shown in **Figure 3**. The field crew attempted to collect ground-water samples from surficial monitoring well MW-210S, but the well purged dry and failed to recover sufficiently for collection of a quality sample within eight hours of the dry purge. LBG decided to forgo operations with MW-210S. Samples were collected from Surficial Aquifer monitoring well MW-110 instead of MW-210S. Additionally, on November 10th, 2005,

one surface-water sample was collected from the Ash Pond located at the southwest corner of the Scholz Plant (See **Figure 2**).

Sampling Methodology

All samples were collected in accordance with the FDEP New Ground-Water and Surface-Water Sampling Standard Operating Procedures (SOPs), effective June 8, 2004. Each well was purged of a minimum 3 well volumes. Temperature, pH, specific conductance, dissolved oxygen, turbidity, and ORP were measured after each well-purge volume. Purging continued until the referenced field measured parameters stabilized within SOP acceptable ranges for three consecutive purge volumes, or a total of five purge volumes were removed. The surface-water sample was collected from the Ash Pond using the pump (peristaltic) and tubing method in accordance with DEP-SOP-001/01 FS 2110.1.1.3. All purge and sampling activities were conducted with a variable speed submersible or peristaltic pump (depending on the depth of the well) and dedicated tubing using low flow (less than one liter per minute) quiescent procedures. Copies of the field sampling logs are included in **Appendix A**.

Filtered and unfiltered samples were collected from all wells and the Ash Pond. Filtered samples were collected in accordance with the protocols listed in DEP-SOP-001/01 FS 2000 and FS 2225. Dissolved ground-water samples collected for the analysis of metals were filtered, at the time of collection, using a one-piece molded construction 1.0 micron (μm) filter. Dissolved samples for all other constituents, including metals in surface water (Ash Pond) were filtered using a one-piece molded construction 0.45 μm filter. The samples were placed on ice in insulated storage containers and shipped, with chain-of-custody forms, to Pace Analytical Services, Inc., a NELAC certified laboratory, at the end of each day. For Quality Control (QC) purposes, a split/duplicate sample (filtered and unfiltered) was collected from well MW-203MD and sent to Severn Trent Laboratories (STL). Copies of laboratory results are included in **Appendix B and Appendix C**.

Analytes

The ground-water and surface-water samples were analyzed by Pace Analytical Services, Inc., a NELAC certified laboratory, for metals (aluminum, arsenic, cadmium, calcium, chromium, total iron, lead, magnesium, manganese, potassium, selenium, sodium, and strontium) by EPA Method 6010; mercury by EPA Method 7470; chloride by EPA Method 325.2; sulfate by EPA Method 375.4; nitrate (as nitrogen) by EPA Method 353.2; and phosphorous by EPA Method 365.2.

Filtered samples collected from all the wells and the Ash Pond were also analyzed in the field by the sampling personnel for alkalinity, ferrous iron, nitrate, nitrite, and sulfide in accordance with the protocols and field methods listed in **Table 1**.

Water-Level Data Collection

Water-level data were collected from each of the nine referenced monitoring wells. The depth to water level at each monitoring well was measured to the nearest 0.01 foot from the north side of the top of the wellhead casing to the water surface using an electronic water-level indicator. The ground-water elevation at each well was determined by subtracting the measured depth to water from the surveyed top of casing elevation (TOCE) at each well. A summary of depth to water and water-elevation data for the wells is provided in **Table 2**.

HYDROGEOLOGY

Cross-sections were prepared previously for Gulf Power in a 1993 report for the site titled "Proposed Groundwater Monitoring Plan Gulf Power Company Scholz Electric Generating Plant Sneads, Florida." These cross sections incorporated old and recent geologic information regarding the facility. Two cross-sections have been prepared. These consist of sections A-A' (dip section) and B-B' (strike section). Cross-section A-A' is included in this report in **Figure 4** and cross-section B-B' is in **Figure 5**. These cross-sections incorporate natural gamma ray testing, vertical permeability testing, lithologic information, lost circulation zone specifics,

moisture content and well construction specifics. In addition, the locations of the on-site ponds are projected onto both cross-sections.

As described in the above referenced report, the Scholz power generating plant has two aquifers present, the Surficial and Floridan Aquifers. The Surficial Aquifer is composed of recent and Citronelle (Upper Pliocene), fine to very fine siliciclastics. At the plant site these sediments are composed of very fine to coarse-grained poorly sorted sands with some gravel present. This aquifer is under water-table conditions.

Below the Citronelle Formation, the Alum Bluff Group (Upper Pliocene to Lower Miocene) is encountered. West of the Apalachicola River, the Hawthorne Group is replaced by the Alum Bluff Group. Due to the abundance of clay constituents, this unit is an important member of the intermediate confining unit at this site (Wagner, 1991). It is our opinion that this unit comprises the upper portion of Unit 2, which was previously discussed in the 1984 ground-water monitoring plan. The vertical permeability results of the Alum Bluff Group ranges from 5.3×10^{-7} to 6.5×10^{-9} cm/sec. (Source?)

The Chattahoochee Formation lies beneath the Alum Bluff Group. This unit is referred to also as the Tampa Limestone and the St. Marks Formation (Wagner, 1991). The 1984 ground-water monitoring plan described this unit as moderately-well indurated, very fine-grained, sandy, slightly dolomitic calcareous clay (marl) with some indurated lenses or beds of hard fine-grained limestone. Based on cross-section B-B', the Chattahoochee Formation decreases in thickness as the formation approaches the Apalachicola River. Stream erosion has removed the upper portion of the Chattahoochee Formation at the location of well MW-203MD.

The upper portion of the Chattahoochee Formation in conjunction with the Alum Bluff Group forms a confining unit which inhibits the downward migration of ground water. The lower portion of this formation forms the upper portion of the Floridan Aquifer and according to Wagner, 1991, is under confined conditions in the project area. The thickness of these combined units ranges from 13 feet to 49 feet in wells MW-203MD and MW-205MD, respectively. The

vertical permeability of the Chattahoochee Formation (Unit 2) ranges from 1.1×10^{-6} to $< 9.1 \times 10^{-9}$ cm/sec. To put this low permeability in perspective, a landfill liner is required to have a permeability of 1×10^{-7} cm/sec.

Beneath the Chattahoochee Formation is the Suwannee Limestone. The 1984 groundwater monitoring plan describes this unit as well indurated, fine grained, dolomitic limestone with layers of hard dolomite. Layers or lenses of soft calcareous clay are also present.

Based on the recent drilling program, the zone of saturation in the Floridan Aquifer is at the transition between the Chattahoochee Formation and the Suwannee Limestone. The Floridan Aquifer at the Scholz Plant is a confined aquifer, according to the following definition: "Confined Aquifer means an aquifer bounded above and below by impermeable beds of distinctly lower permeability than that of the aquifer itself" (DER, 1992). Five of the newer monitoring wells were screened in the upper portion of the porous limestone (Chattahoochee Formation/Suwannee Limestone transition) as requested previously by the FDEP. Lost circulation was encountered in each borehole. Visible secondary porosity was observed in samples of the Floridan Aquifer and voids of up to four feet were encountered during the installation of the newer monitoring wells (MW-21 OMD). The Suwannee Limestone has well developed secondary porosity (Wagner, 1980).

GROUND-WATER FLOW DIRECTION

Ground-water contour maps are included in this report to show the direction of ground-water flow and gradient. **Figure 6** shows water-level contours for the Surficial Aquifer taken from the 1993 report referenced earlier. **Figure 7** shows potentiometric surface contours of the Floridan Aquifer taken from the same report. The flow of the Surficial Aquifer generally follows site topography with a steep gradient to the southeast in the vicinity of monitor wells MW-112A and MW-103A. In regards to the Floridan Aquifer, ground-water flow is also to the southeast towards the Appalachian River.

WATER-QUALITY ANALYSIS

In this report, the major ion chemistry of unfiltered samples and filtered samples of ground water and water from the ash storage pond is represented by Durov diagrams. A Durov diagram is a multi-dimensional representation of hydrochemical composition with respect to major cations, major anions, and two additional properties, such as pH or total dissolved solids.

The percent distributions of the major cations and anions (based on units of milliequivalents per liter (meq/l)) are plotted in tri-linear fields A and B, respectively (**Figure 8**). The location of a point within each field is a basis for determining the degree to which hydrochemical composition is distributed among the major cations (field A) and the major anions (field B). Perpendicular lines from each point in fields A and B are projected into field C. The intersection of the lines forms a point which describes composition with respect to cations and anions. Thus, the primary fields (A through C) of a Durov diagram form an effective basis for differentiating between waters on the basis of the concentrations of the major dissolved species. Lines extending from each point in field C to corresponding points in fields D and E allow for further discrimination of waters based on TDS (field D) and pH (field E).

Durov Diagrams and Hydrochemical Composition

Figure 9 and Figure 10 are Durov diagrams based on unfiltered samples and filtered samples, respectively, of ground water and water from the ash storage pond at Plant Scholz. The distribution of points on both diagrams indicates that ground water is primarily Ca-Mg-HCO₃ in composition, with TDS less than 500 mg/L and pH typically within the range of 6.0 to 7.0. Two exceptions are 205S and 210MD. Samples from these wells are Na-Mg-HCO₃ and Ca-SO₄, respectively. Well 205S is a background monitoring well completed in the Surficial Aquifer. The TDS of the sample from this well is less than 100 mg/L and the associated pH is 4.46. Well 210MD is a compliance well screened in the Floridan Aquifer. The TDS of the sample from this well is nearly 2,000 mg/l, and the pH is 6.18. Unfiltered samples and filtered samples of water from the ash storage pond are Ca-SO₄ in composition. The TDS of these samples is less than

500 mg/L and the associated pH is 6.64. The concentrations of the major analytes are listed in Table 3.

Significance of Hydrochemical Compositions

The hydrochemical compositions of most samples from Plant Scholz are typical of ground waters which are not highly evolved. The hydrochemical compositions of ground waters of the Surficial Aquifer and the Floridan Aquifer are attributable either to relatively short residence times and/or little interaction along flow paths with minerals which are capable of contributing a different mixture of dissolved solids. The similar compositions of the unfiltered and the corresponding filtered samples indicate that the major ion chemistry is reasonably well characterized by the unfiltered grab samples. A significant concern among geochemists is the potential for metals to be released to solution from the suspended component of a sample of ground water or surface water as a result of acidification. The apparent consistency between the compositions of the unfiltered samples and the filtered samples indicates that the turbidities of the unfiltered samples were not high enough to be a source of concern about the concentrations of dissolved metals.

The Ca-SO₄ signature and the elevated TDS of samples from 210MD indicate the presence (locally, at least) of a soluble sulfate mineral such as gypsum either at or within the vicinity of the screened interval of the well. Although similar to 210MD, the Ca-SO₄ composition of pond water is most likely traceable to mineralogical components associated with ash stored in the pond, to evaporative concentration, or to both factors. Furthermore, the TDS of 210MD cannot be derived from a lower-TDS water of similar composition, especially if this involves mixing pond water with ground water with a TDS concentration equal to or lower than that of pond water. The most reasonable explanation for the difference between the compositions of waters from 210MD and the pond is simple rock-water interaction. The higher concentrations of calcium and sulfate in the sample from 210MD are derived from the interaction of ground water with rocks which contain a significant component of gypsum. "The base of the Floridan Aquifer is characterized by reduced permeability, partly as a result of the presence of

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intergranular gypsum and anhydrite. Therefore, water that has come in contact with the base of the aquifer contains sulfate as a major constituent" (Florida Geological Survey, 1992).

*lowest ELV
DG of storage
ponds.*

The composition of 203MD is Ca-Mg-HCO₃, with the distribution of the major cations split almost evenly between calcium and magnesium (refer to Field A of the Durov diagrams). This composition is similar to other Floridan Aquifer monitoring wells at the plant (204MD, 205MD, and 212MD). Although the TDS is similar to that of samples from the pond, the composition of the sample from 203MD (and other Floridan Aquifer wells) does not appear to be related to the influence of pond water. Simple mixing of water from the pond with background water would be expected to produce two-component mixtures with sulfate and TDS concentrations, which fall along straight lines in Fields B, C and D of a Durov diagram between the sample representative of background (205MD) and the sample representative of the pond. The scatter of points in Fields B, C and D is interpreted to represent the natural range of compositions associated with Floridan Aquifer ground water in the area within the boundaries of the plant. *Sentence?*

Arsenic and Other Metals

For ease of discussion, the concentrations of arsenic, cadmium, chromium, lead and mercury are summarized in **Table 4** (Surficial Aquifer and ash storage pond) and **Table 5** (Floridan Aquifer). The concentrations (in units of micrograms per liter [µg/L]) are listed for both unfiltered samples and filtered samples.

Low Cr, Pb

Among samples collected from monitoring wells of the Surficial Aquifer (Table 4), only minor detections for chromium and lead were reported by the laboratory. All analyses for total arsenic were reported as not detected (ND). With regard to samples collected from the pond, non-detects were reported for all of the above analytes but arsenic. Arsenic concentrations in the two samples of pond water were 86.0 µg/L (unfiltered) and 65.0 µg/L (filtered).

*Arsenic hit
in pond.*

Table 4. Concentration* of Metals in Surficial Aquifer Monitoring Wells

Analyte	110	203S	204S	205S	Pond
Arsenic (U)	ND	ND	ND	ND	86.0
Arsenic (F)	ND	ND	ND	ND	65.0
Cadmium (U)	ND	ND	ND	ND	ND
Cadmium (F)	ND	ND	ND	ND	ND
Chromium (U)	ND	ND	2.1	ND	ND
Chromium (F)	ND	ND	5.9	ND	ND
Lead (U)	ND	ND	ND	ND	ND
Lead (F)	ND	5.6	6.6	ND	ND
Mercury (U)	ND	ND	ND	ND	ND
Mercury (F)	ND	ND	ND	ND	ND

*µg/L

Both DG of ASH pond

With regard to monitoring wells of the Floridan Aquifer (**Table 5**), minor detections were reported for lead in filtered samples from 204MD and 212MD. An arsenic concentration of 35 µg/L was detected in the filtered sample from 205MD - a background well located northwest and upgradient of the pond. Arsenic was not detected in any Floridan Aquifer monitoring well located downgradient of the pond.

Table 5. Concentration* of Metals in Floridan Monitoring Wells

Analyte	203MD	204MD	205MD	210MD	212MD
Arsenic (U)	ND	ND	ND	ND	ND
Arsenic (F)	ND	ND	35.0	ND	ND
Cadmium (U)	ND	ND	ND	ND	ND
Cadmium (F)	ND	ND	ND	ND	ND
Chromium (U)	ND	ND	ND	ND	ND

BK well? what were the [Fe]?

Analyte	203MD	204MD	205MD	210MD	212MD
Chromium (F)	ND	ND	ND	ND	ND
Lead (U)	ND	ND	ND	ND	ND
Lead (F)	ND	5.1	ND	ND	6.4
Mercury (U)	ND	ND	ND	ND	ND
Mercury (F)	ND	ND	ND	ND	ND

*µg/L

Significance of Arsenic Concentrations

The absence of arsenic in samples from wells of the Surficial Aquifer and from all Floridan Aquifer wells downgradient of the ash pond indicates that the pond is not a source of arsenic for either aquifer. The occurrence, however, of an arsenic concentration of 35 µg/L in the filtered sample from 205MD (a Floridan Aquifer background well) underscores that arsenic associated with the Floridan Aquifer wells is naturally occurring. Because 205MD is located upgradient of the ash pond, the direction of flow in the Floridan Aquifer would be from 205MD toward the pond – not from the pond toward the well. Hence, factors other than an assumed connection between the pond and 205MD must be considered in any attempt to explain the occurrence of arsenic in Floridan Aquifer ground water at the plant.

Arsenic is widely distributed in sedimentary rocks and in sediments of the Gulf Coast. The mobilization of arsenic, however, is related not only to the availability of arsenic in different geologic media, but also to the interplay of pH and the reduction-oxidation properties of ground water and surface water. Arsenic, for example, has been liberated through the oxidative dissolution of arsenious microcrystalline pyrites in the injection zone of the Floridan Aquifer for an Aquifer Storage and Recovery (ASR) field in Lee County, Florida (Mirecki and others, 2005). The dissolution of the arsenic-bearing minerals has been attributed to the injection of oxygenated water into the storage zone of the ASR field (Mirecki and others, 2005). The Southwest Florida Water Management District (SWFWMD) is currently studying this phenomenon at several ASR sites in southwest Florida, including the City of Tampa, City of Bradenton and the Peace River Manasota Regional Water Supply Authority. Arsenic can also be liberated through a range of

other geochemical processes, such as competitive desorption or to the reductive dissolution of metal oxyhydroxides which act as sorption sites for arsenate. Elevated concentrations of iron in samples of ground water from the Surficial and Floridan Aquifers at Scholz (**Table 3**) indicate the potential for reductive dissolution to be a significant factor accounting for the occurrence of arsenic.

Potential for Seepage from the Ash Storage Pond to the Floridan Aquifer

The similarity of hydrochemical signatures between water from the ash storage pond and ground water from 210MD does not indicate hydraulic interconnection between the pond and the Floridan Aquifer. If seepage from the pond were a principal source of recharge to the Florida aquifer at Plant Scholz, then compliance wells screened in the Floridan Aquifer would be expected to have compositions characterized as two-component mixtures of the background water at 205MD and the water from the ash storage pond. The compositions are sufficiently distinct, however, to support the conclusion that the pond does not influence the composition of ground water at wells such as 203MD and 210MD

NOT ACCORDING TO FIGURES 6 & 7

In addition, the low vertical hydraulic conductivities of the confining layer between the Surficial Aquifer and the Floridan Aquifer significantly limit the potential for seepage from the pond to the Floridan Aquifer. Calculations using an average hydraulic conductivity of 6.7×10^{-7} cm/sec, a two foot head difference and a 10 foot clay layer indicate there is little connection ^{upward} between the Surficial and Floridan Aquifers. The seepage rate calculated for a particle to move from the Surficial to the Floridan Aquifer is approximately 38 years. The estimated seepage rate, however, does not account for the effects of retardation on the movement of a solute with the potential to sorb to one or more mineral substrates. Arsenic (in the form of the oxyanion arsenate) has a strong affinity to sorb to the surfaces of ferric oxyhydroxides and other minerals with net positive surface charges, especially under conditions of neutral to near-neutral pH values (Bowell, 1994). The presence of oxyhydroxide minerals in the subsurface provides a natural substrate to which the arsenate species will sorb. This is a highly effective means of natural attenuation and the most likely reason that arsenic does not occur in shallow wells away

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from the pond in a downgradient direction. In fact, ferric oxyhydroxides are widely used in treatment systems designed to remove arsenic from drinking water.

It is not possible to estimate a retardation factor (or retardation factors) for the site without laboratory tests on different subsurface materials (Zhu and Anderson, 2002). However, based on our experience modeling the transport and fate of arsenic in ground-water systems and our familiarity with the geology of the Plant Scholz site, it is LBG's opinion that transport of arsenic would be substantially slower than the 38-year estimate cited above.

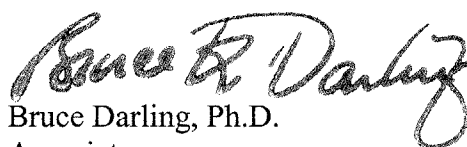
CONCLUSIONS

Based on the results of this investigation, LBG does not recommend that any further study or actions be taken to resolve the occurrence of arsenic in ground water at Plant Scholz. The data does not show an association between arsenic in water from the pond and water of the Surficial Aquifer or the Floridan Aquifer. Among the monitoring wells of the Surficial Aquifer and all Floridan Aquifer wells downgradient of the ash pond, the concentrations of arsenic in unfiltered samples and filtered samples were reported as not detected. However, the elevated concentration of arsenic in a filtered sample from the background well (205MD) suggests a source other than the pond. The most reasonable explanation is a naturally-occurring source from which arsenic is periodically liberated as a result of variable pH and redox conditions.

Should you have any questions or wish to discuss this report further, please do not hesitate to contact either Bruce Darling or me.

Very truly yours,

LEGGETTE, BRASHEARS & GRAHAM, INC.

A handwritten signature in dark ink, appearing to read "Bruce Darling", is written over the printed name and title.

Bruce Darling, Ph.D.
Associate

LEGGETTE, BRASHEARS & GRAHAM, INC.

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Affirmed by:



David A. Wiley, P.G.
Vice President

Attachments:

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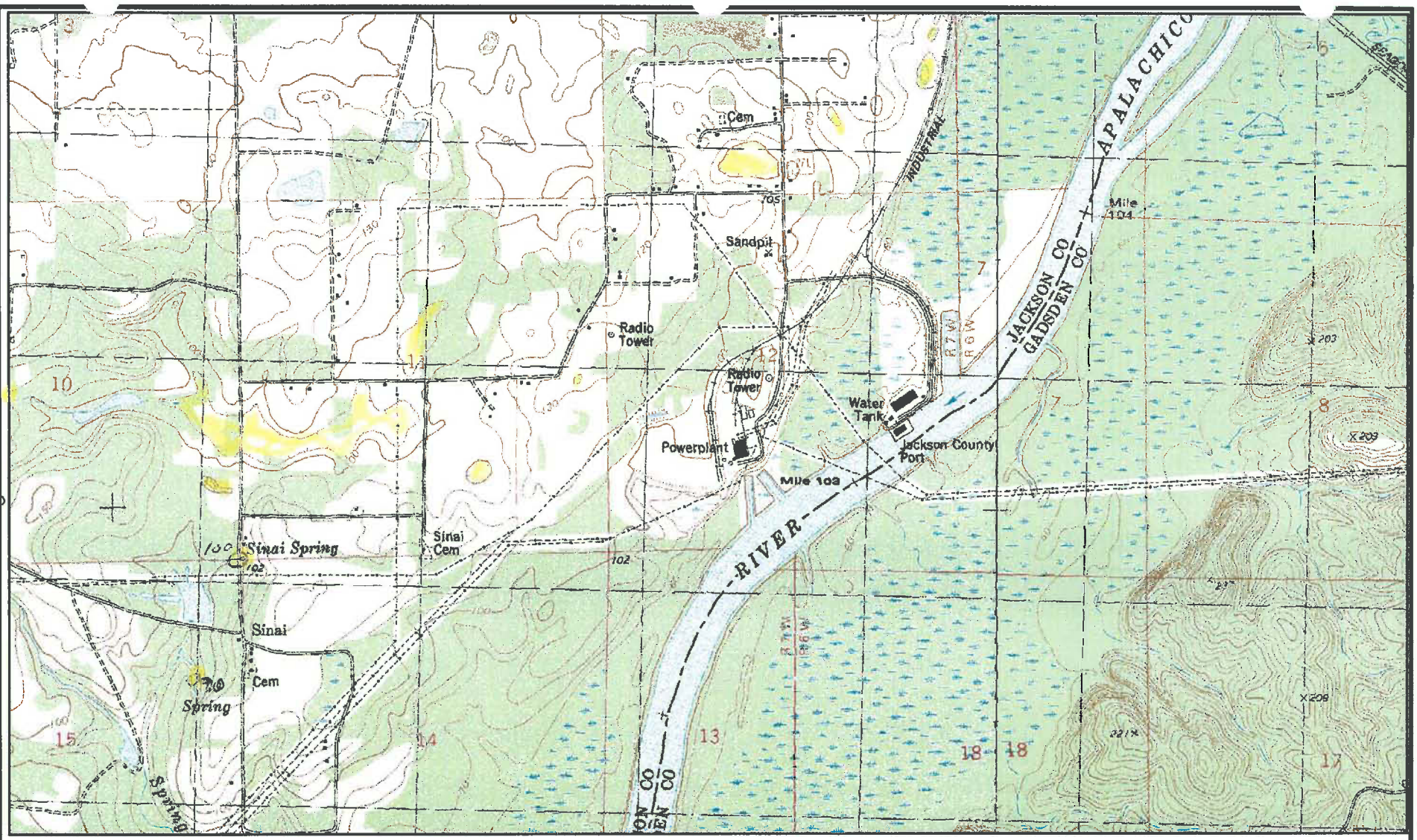
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Figures

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GULF POWER COMPANY
SCHOLZ ELECTRIC GENERATING PLANT
SNEADS, FLORIDA

USGS SNEADS, FL QUADRANGLE MAP (7.5 min.)

PREPARED BY:

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DRAWN BY: TDH
 CHECKED BY: DAW
 DATE: JAN. 2006
 FIGURE NO.: 1



DATE	REVISED
FILE NAME: FIGURE02.MXD	



GULF POWER COMPANY
SCHOLZ ELECTRIC GENERATING PLANT
SNEADS, FLORIDA

2004 AERIAL PHOTOGRAPH

PREPARED BY:



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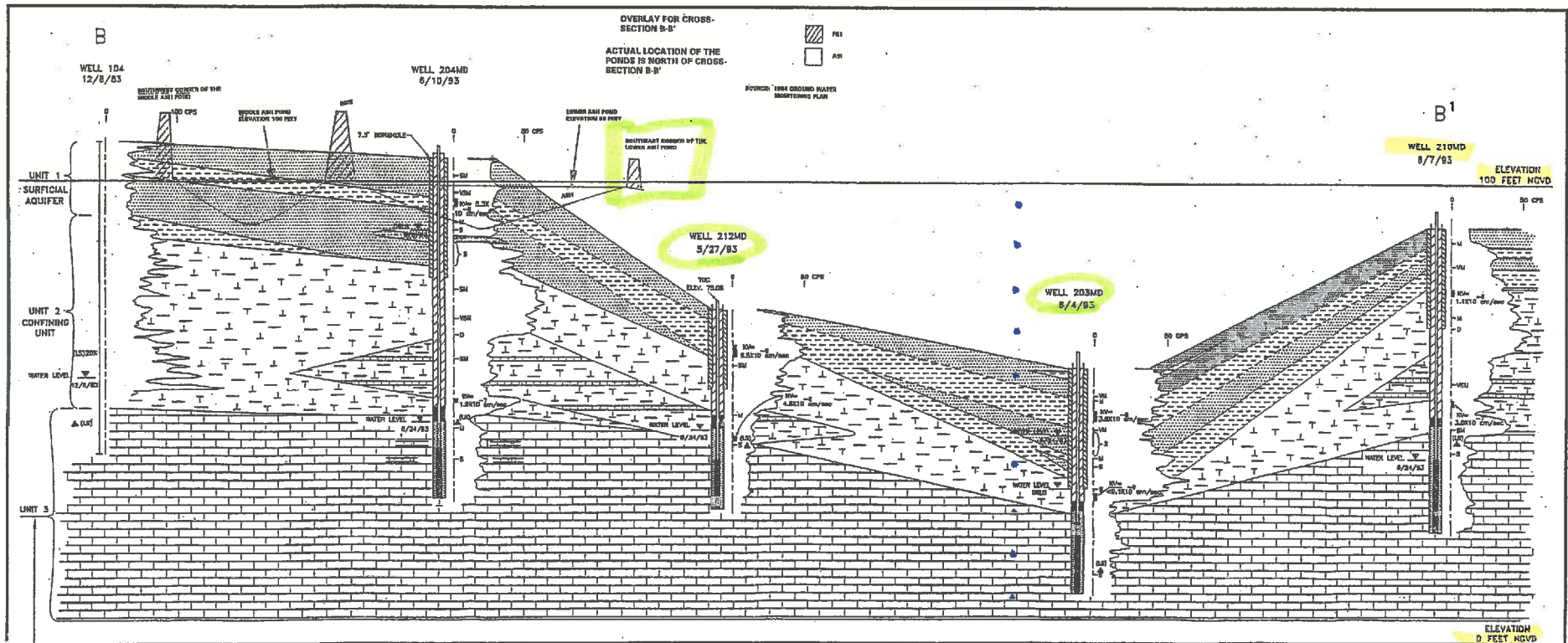
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DATE: JAN. 2006

FIGURE NO.: 2





Taken From:
ViroGroup, "Proposed Groundwater Monitoring Plan Gulf Power
Company Scholz Electric Generating Plant, Sneads, Florida", ViroGroup, 1988.

LEGEND

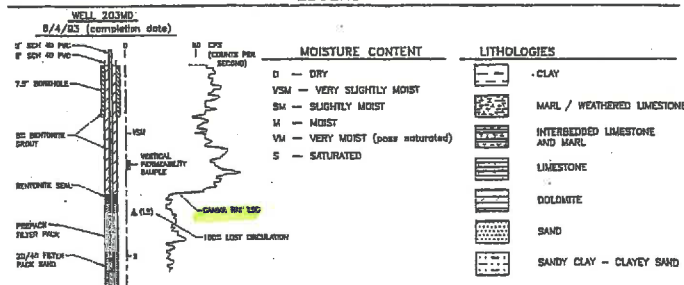
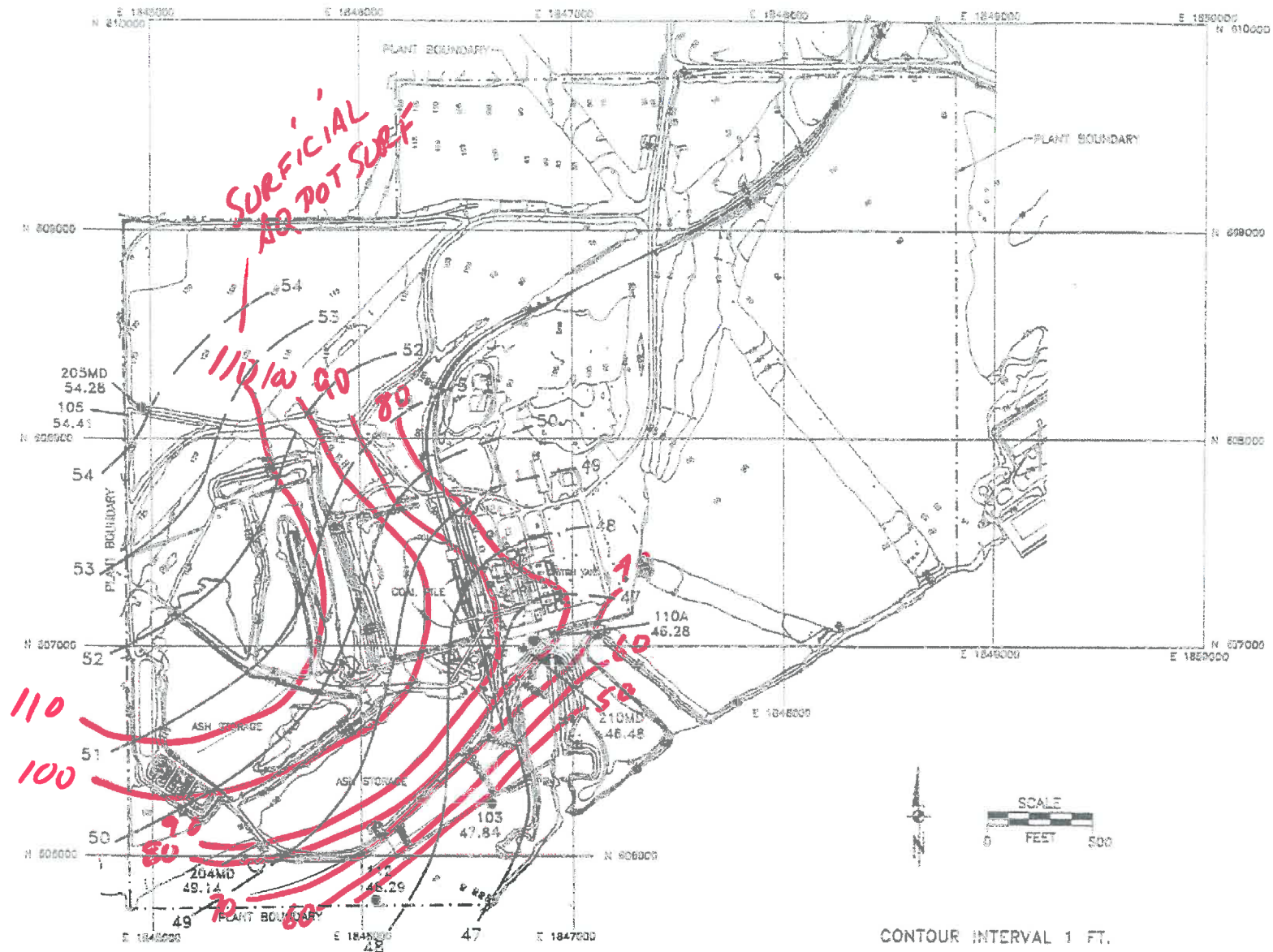


FIGURE05.DWG

NOT TO SCALE

GULF POWER COMPANY SCHOLZ ELECTRIC GENERATING PLANT SNEADS, FLORIDA			
HYDROGEOLOGY CROSS-SECTION B - B'			
DATE	REVISED	PREPARED BY:	
		LEGGETTE, BRASHEARS & GRAHAM, INC.	
		Professional Ground-Water and Environmental Engineering Services	
		Cypress Point Office Park	
		10014 North Dale Mabry Highway - Suite 205	
		Tampa, FL 33618	
		(813) 968-5882	
DRAWN:	TDH	CHECKED:	DAW
DATE:	2/2006	FIGURE:	5



Taken From:
ViroGroup, "Proposed Groundwater Monitoring Plan Gulf Power
Company Scholz Electric Generating Plant, Sneads, Florida", ViroGroup, 1993.

DATE:	REVISED:
FILE NAME: Figure07.cdr	

GULF POWER COMPANY
SCHOLZ ELECTRIC GENERATING PLANT
SNEADS, FLORIDA

POTENTIOMETRIC MAP OF THE FLORIDAN AQUIFER WATER LEVELS COLLECTED 6/11/93

PREPARED BY: **LEGGETTE, BRASHEARS & GRAHAM, INC.**
Professional Ground-Water and
Environmental Engineering Services
Cypress Point Office Park
10014 North Dale Mabry Hwy., Suite 205
Tampa, Florida 33618 (813) 968-5882

DRAWN BY: TDH
CHECKED BY: DAW
DATE: JAN. 2006
FIGURE NO.: 7

Figure 8. Fields of Durov Diagram

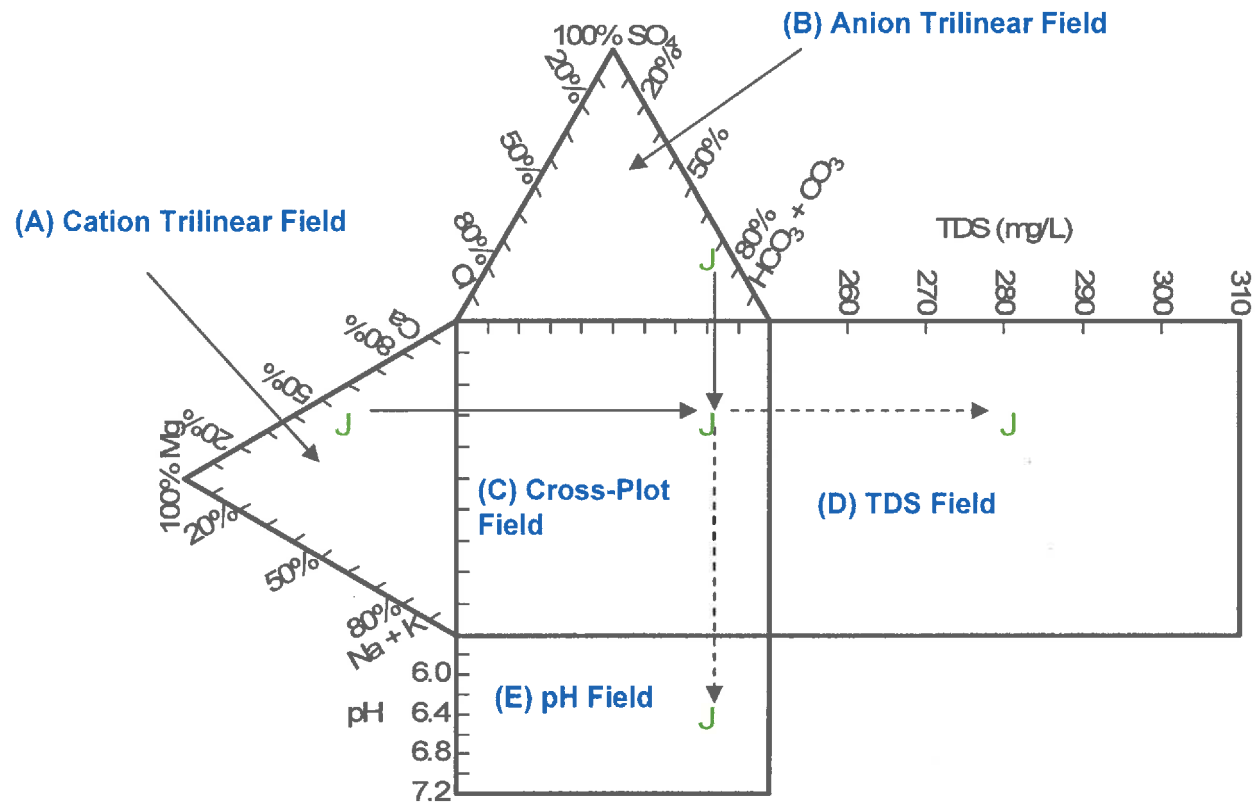


Figure 9. Durov Diagram – Unfiltered Samples

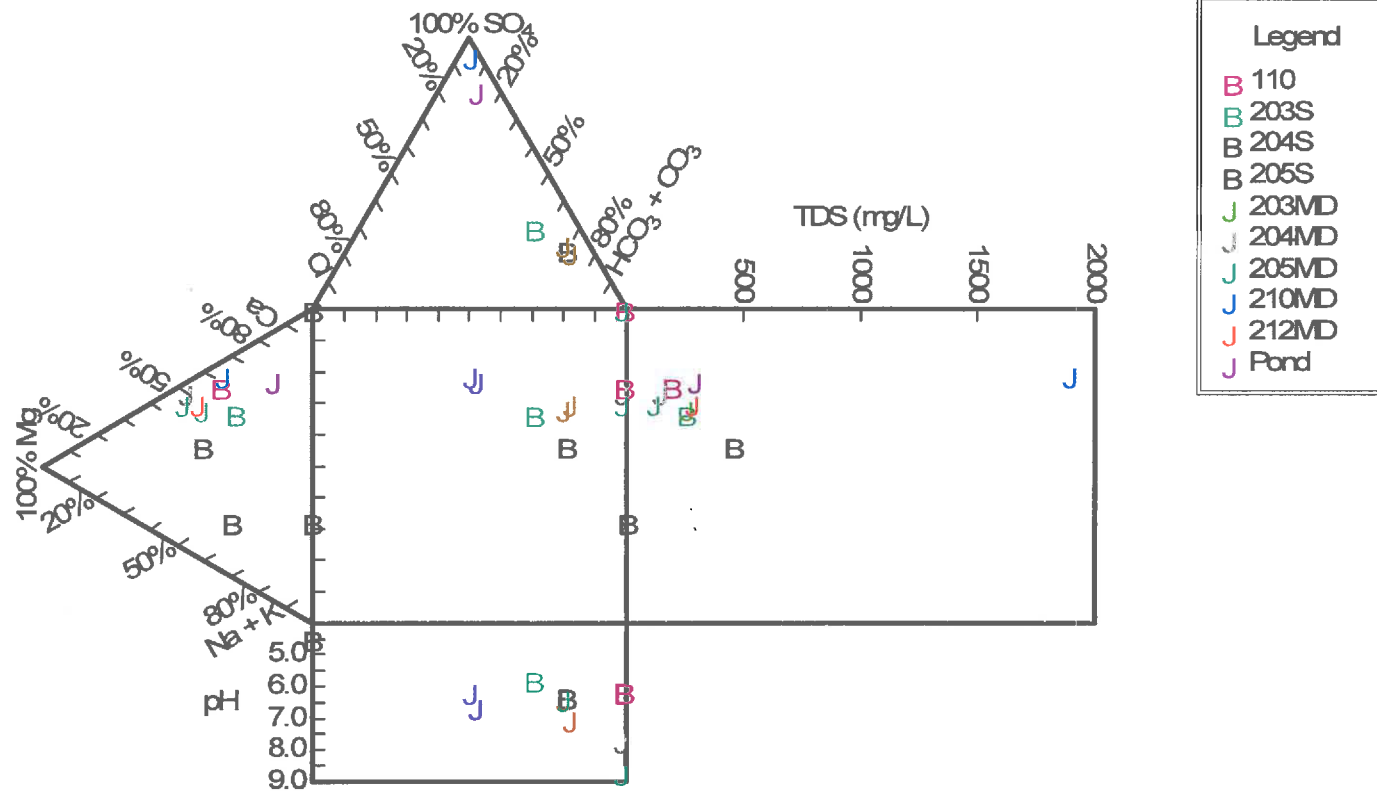
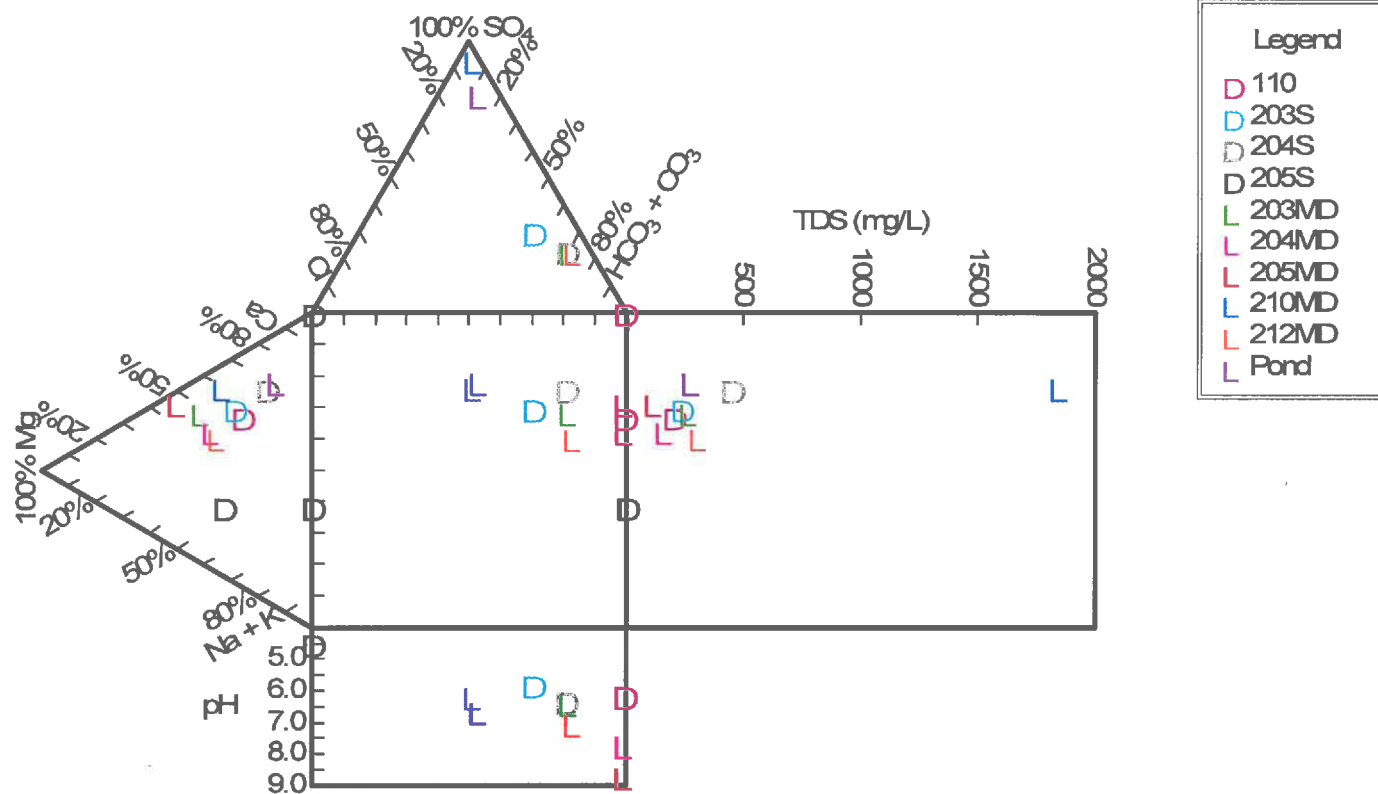


Figure 10. Durov Diagram – Filtered Samples



Tables

**GULF POWER
SCHOLZ ELECTRIC GENERATING PLANT
SNEADS, FLORIDA**

Table 1: Field Parameter Analytical Methods

SAMPLE ID	ALAKALINITY		FERROUS IRON		NITRATE		NITRITE		SULFIDE	
	Filter Size	Field Method	Filter Size	Field Method	Filter Size	Field Method	Filter Size	Field Method	Filter Size	Field Method
MW-110	0.45 micron	titration ¹	1.0 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²
MW-203S	0.45 micron	titration ¹	1.0 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²
MW-204S	0.45 micron	titration ¹	1.0 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²
MW-210S	--	--	--	--	dry well	--	--	--	--	--
MW-205S	0.45 micron	titration ¹	1.0 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²
MW-203MD	0.45 micron	titration ¹	1.0 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²
MW-204MD	0.45 micron	titration ¹	1.0 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²
MW-205MD	0.45 micron	titration ¹	1.0 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²
MW-210MD	0.45 micron	titration ¹	1.0 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²
MW-212MD	0.45 micron	titration ¹	1.0 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²
ASH POND	0.45 micron	titration ¹	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²	0.45 micron	Hach ²

Titration ¹ : Field titration using a Hach digital titrator fitted with a titrant cartridge containing 0.1600 normal sulfuric acid.

Hach ² : Hach DR/800 Series Colorimeter used in accordance with the following methods (Ferrous Iron: phenanthroline method; Nitrate: cadmium reduction method; Nitrite: diazotitration method; Sulfide: methylene blue method)

**GULF POWER
SCHOLZ ELECTRIC GENERATING PLANT
SNEADS, FLORIDA**

TABLE 2: GROUNDWATER ELEVATION TABLE

WELL NO.	MW-203S			MW-204S			MW-205S			MW-210S			MW-110		
DIAMETER	4 - inch			4 - inch			4 - inch			4 - inch			2 - inch		
WELL DEPTH (feet)	23.48			26.09			21.40			11.80			21.90		
SCREEN INTERVAL	13.48 - 23.48			16.09 - 26.09			11.4 - 21.40			6.8 - 11.8			66.40 - 80.40		
TOC ELEVATION	62.78			107.89			134.25			93.50			93.20		
DATE	ELEV	DTW	DATE	ELEV	DTW	DATE	ELEV	DTW	DATE	ELEV	DTW	DATE	ELEV	DTW	DATE
	46.17	16.61	11/8/05	98.06	9.83	11/7/05	117.97	16.28	11/9/05	82.20	11.30	11/7/05	84.39	8.81	11/7/05

WELL NO.	MW-203MD			MW-204MD			MW-205MD			MW-210MD			MW-212MD		
DIAMETER	2 - inch			2 - inch			2 - inch			2 - inch			2 - inch		
WELL DEPTH	48.50 *			72.00 *			92.10 *			75.00 *			42.82 *		
SCREEN INTERVAL	33.5 - 48.5 *			62.00 - 72.00 *			77.10 - 92.10 *			60.00 - 75.00 *			32.82 - 42.82 *		
TOC ELEVATION	63.13			108.01			135.06			94.42			75.08		
DATE	ELEV	DTW	DATE	ELEV	DTW	DATE	ELEV	DTW	DATE	ELEV	DTW	DATE	ELEV	DTW	DATE
	44.74	18.39	11/8/05	46.91	61.10	11/7/05	52.74	82.32	11/9/05	45.12	49.30	11/7/05	46.68	28.40	11/8/05

ft btoc * Feet below top of casing. * Wells constructed with a 2 to 3 foot PVC casing stickup als (above land surface).

ft bls Feet below land surface. (Wells constructed with flush-mount well pad and well casing).

DTW Depth to water

WL Surface water level (as read in field) on staff gauge (eg depth of water).

ELEV Elevation of water surface

**GULF POWER
SCHOLZ ELECTRIC GENERATING PLANT
SNEADS, FLORIDA**

TABLE 3: SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

Sample Data		Field Measurements										Laboratory Analyses																		
Sample Name	Sample Date	pH	Conductivity	Dissolved Oxygen	Turbidity	ORP	Alkalinity	Ferrous Iron	Nitrate	Nitrite	Sulfide	Aluminum	Arsenic	Cadmium	Calcium	Chromium	Iron (total)	Lead	Magnesium	Manganese	Potassium	Selenium	Sodium	Strontium	Mercury	Chloride	Sulfate	Nitrate (as N)	Phosphorous (total)	
Units of Measure		SU	umhos	mg/L	NTU		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
EPA Analytical Method		Orion 230+ pH/Cond/Temp meter; YSI 55 D.O. meter; Hach 2100P Turbidimeter					Hach DR/800 Colorimeter (Fe. NO2, NO3, Sulfate); Titration (Alkalinity)					EPA Method 7470 for Mercury. EPA Method 6010 for all other metals.															Chloride: EPA 325.2; Sulfate EPA 375.4; Nitrate: EPA 353.2; Phosphorus: EPA 365.2			
Filtered Sample Data		Unfiltered Samples used for above field measurements.					1.0 micron filtered samples used for ferrous iron, 0.45 micron filtered samples used for all other analytes, including ferrous iron in surface water.					1.0 micron filter used for filtered ground-water samples for metals analysis unless otherwise indicated (see samples for 203MD). 0.45 micron filter used for all filtered surface-water (ash pond) samples for metals analysis.															0.45 micron filter used for filtered non-metals samples			
Ground-Water CTL		na	na	na	na	na	na	na	10	1	na	0.2	0.010	0.005	n/a	0.1	0.3	0.015	n/a	0.05	n/a	0.05	160	4.2	0.002	250	250	10	n/a	
110	11/8/05	6.15	279	1.18	20.3	6	--	--	--	--	--	NA	< 0.005	< 0.001	35	< 0.002	0.79	< 0.005	12	0.075	4.1	< 0.005	3	0.088	< 0.0002	< 5.0	< 5.0	< 0.10	< 0.100	
110 filtered	11/8/05	--	--	--	--	--	152.8	1.22	1.3	0	0	NA	< 0.005	< 0.001	35	< 0.002	1	0.005	10	0.082	4.4	< 0.005	12	0.091	< 0.0002	< 5.0	< 5.0	< 0.10	< 0.100	
203S	11/9/05	5.79	328	1.49	12.7	-51	--	--	--	--	--	< 0.10	< 0.005	< 0.001	40	< 0.002	34	< 0.005	13	3.5	1.1	< 0.005	16	0.18	< 0.0002	5.4	16	< 0.10	< 0.100	
203S filtered	11/9/05	--	--	--	--	--	177	24.36	1.4	0.006	0	NA	< 0.005	< 0.001	30	< 0.002	32	< 0.005	9.4	2.7	< 1.0	< 0.005	10	0.14	< 0.0002	5.3	16	< 0.10	< 0.100	
203MD	11/8/05	6.4	371	3.11	1.9	-43	--	--	--	--	--	< 0.10	< 0.005	< 0.001	40	< 0.002	1.5	< 0.005	21	0.60	< 1.0	< 0.005	11	0.074	< 0.0002	6.1	25	1	< 0.100	
203MD filtered (1.0 µm)	11/8/05	--	--	--	--	--		1.37				NA	< 0.005	< 0.001	39	< 0.002	1.2	< 0.005	20	0.54	< 1.0	< 0.005	25	0.068	< 0.0002	--	--	--	--	
203MD filtered (0.45 µm)	11/8/05	--	--	--	--	--	179.6	--	1.2	0.002	0.06	NA	< 0.005	< 0.001	40	< 0.002	1.3	< 0.005	20	0.58	< 1.0	< 0.005	18	0.071	< 0.0002	5.6	25	0.93	< 0.100	
203MD	11/8/05		SPLIT SAMPLE					ANALYZED BY				< 0.030	0.0062 I	< 0.001	40	< 0.00095	1.5	< 0.0035	20	0.62	0.46 I	< 0.0054	11 V	0.076	< 0.00008	5	26	1.3	0.026	
203MD filtered (1.0 µm)	11/8/05		DUPLICATE					STL LABORATORIES				< 0.030	0.0066 I	< 0.001	41	< 0.00095	1.4	< 0.0035	21	0.63	0.47 I	< 0.0054	11 V	0.079	< 0.00008	--	--	--	--	
203MD filtered (0.45 µm)	11/8/05											< 0.030	0.0072 I	< 0.001	39	< 0.00095	1.3	< 0.0035	19	0.59	0.45 I	< 0.0054	10 V	0.073	< 0.00008	4.9	24	1.3	0.026	
204S	11/7/05	6.31	651	0.21	6.23	-94	--	--	--	--	--	5.9	< 0.005	< 0.001	56	0.0098	9	0.0059	37	0.51	2.3	< 0.005	52	0.43	< 0.0002	8	35	< 0.10	< 0.100	
204S filtered	11/7/05	--	--	--	--	--	296	13.3	2.2	0.002	0.07	NA	< 0.005	< 0.001	82	0.0021	14	0.0066	12	1.5	3.4	< 0.005	21	0.36	< 0.0002	8.2	37	< 0.10	< 0.100	
204MD	11/7/05	7.68	250	5.1	1.78	50	--	--	--	--	--	< 0.10	< 0.005	< 0.001	28	< 0.002	< 0.050	< 0.005	15	< 0.005	1.2	< 0.005	1.9	0.035	< 0.0002	< 5.0	< 5.0	1.6	< 0.100	
204MD filtered	11/7/05	--	--	--	--	--	118	0.02	1	0.001	0	NA	< 0.005	< 0.001	26	< 0.002	0.095	0.0051	13	0.014	1.4	< 0.005	12	0.033	< 0.0002	< 5.0	< 5.0	1.6	< 0.100	
205S	11/9/05	4.46	41	6.46	0.27	319	--	--	--	--	--	< 0.10	< 0.005	< 0.001	1	< 0.002	< 0.050	< 0.005	0.98	< 0.005	< 1.0	< 0.005	3.4	0.0056	< 0.0002	7.1	< 5.0	< 0.10	< 0.100	
205S filtered	11/9/05	--	--	--	--	--	4.7	0.02	0.7	0.002	0.06	NA	< 0.005	< 0.001	0.85	< 0.002	< 0.050	< 0.005	0.74	< 0.005	< 1.0	< 0.005	2	< 0.005	< 0.0002	6.9	< 5.0	< 0.10	< 0.100	

GULF POWER
SCHOLZ ELECTRIC GENERATING PLANT
SNEADS, FLORIDA

TABLE 3: SUMMARY OF GROUND-WATER ANALYTICAL RESULTS

Sample Data		Field Measurements										Laboratory Analyses																	
Sample Name	Sample Date	pH	Conductivity	Dissolved Oxygen	Turbidity	ORP	Alkalinity	Ferrous Iron	Nitrate	Nitrite	Sulfide	Aluminum	Arsenic	Cadmium	Calcium	Chromium	Iron (total)	Lead	Magnesium	Manganese	Potassium	Selenium	Sodium	Strontium	Mercury	Chloride	Sulfate	Nitrate (as N)	Phosphorous (total)
Units of Measure		SU	umhos	mg/L	NTU		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
EPA Analytical Method		Orion 230+ pH/Cond/Temp meter; YSI 55 D.O. meter; Hach 2100P Turbidimeter					Hach DR/800 Colorimeter (Fe, NO2, NO3, Sulfate); Titration (Alkalinity)					EPA Method 7470 for Mercury. EPA Method 6010 for all other metals.														Chloride: EPA 325.2; Sulfate EPA 375.4; Nitrate: EPA 353.2; Phosphorus: EPA 365.2			
Filtered Sample Data		Unfiltered Samples used for above field measurements.					1.0 micron filtered samples used for ferrous iron, 0.45 micron filtered samples used for all other analytes, including ferrous iron in surface water.					1.0 micron filter used for filtered ground-water samples for metals analysis unless otherwise indicated (see samples for 203MD). 0.45 micron filter used for all filtered surface-water (ash pond) samples for metals analysis.														0.45 micron filter used for filtered non-metals samples			
Ground-Water CTL		na	na	na	na	na	na	na	10	1	na	0.2	0.010	0.005	n/a	0.1	0.3	0.015	n/a	0.05	n/a	0.05	160	4.2	0.002	250	250	10	n/a
205MD	11/9/05	8.69	195	6.01	3.04	25	--	--	--	--	--	< 0.10	< 0.005	< 0.001	20	< 0.002	< 0.050	< 0.005	12	< 0.005	1.6	< 0.005	2.3	0.067	< 0.0002	< 5.0	< 5.0	1.9	< 0.100
205MD filtered	11/9/05	--	--	--	--	--	100.8	0	3.2	0.003	0.07	NA	0.035	< 0.001	14	< 0.002	3.9	< 0.005	9	0.042	< 1.0	< 0.005	1.3	0.049	< 0.0002	< 5.0	< 5.0	1.9	< 0.100
210MD	11/7/05	6.18	2092	0.26	3.85	-84	--	--	--	--	--	< 0.10	< 0.005	< 0.001	310	< 0.002	47	< 0.005	110	1.7	2.8	< 0.005	44	0.83	< 0.0002	15	1200	< 0.10	< 0.100
210MD filtered	11/7/05	--	--	--	--	--	197	29.4	5	0.01	0	NA	< 0.005	< 0.001	300	< 0.002	43	< 0.005	100	1.5	2.6	< 0.005	39	0.77	< 0.0002	15	1200	< 0.10	< 0.100
212MD	11/8/05	7.01	376	3.65	1.42	81	--	--	--	--	--	< 0.10	< 0.005	< 0.001	46	< 0.002	< 0.05	< 0.005	23	< 0.005	< 1.0	< 0.005	9.7	0.12	< 0.0002	6.5	34	0.89	< 0.100
212MD filtered	11/8/05	--	--	--	--	--	180.4	0.02	1.9	0.002	0.04	NA	< 0.005	< 0.001	47	< 0.002	0.56	0.0064	23	0.022	1.3	< 0.005	27	0.12	< 0.0002	5.9	37	0.97	< 0.100
Ash Pond	11/10/05	6.64	443	7.27	0.97	64	--	--	--	--	--	NA	0.086	< 0.001	64	< 0.002	0.072	< 0.005	7.2	0.085	9.9	0.022	11	1	< 0.0002	9.3	160	< 0.10	< 0.100
Ash Pond filtered (0.45 µm)	11/10/05	--	--	--	--	--	51.6	0.01	0.7	0.004	0.07	NA	0.065	< 0.001	51	< 0.002	0.16	< 0.005	5.6	0.061	7.2	0.016	8.1	0.85	0.00071	8.9	160	< 0.10	< 0.100

LEGEND / NOTES:

- BDL Below Laboratory Method Detection Level
- CTL Chapter 62-777 FAC Ground-Water Cleanup Target Level
- Bold** Reported concentration exceeds applicable Ground-Water CTL for results in Bold.
- NA Parameter "Not Analyzed" for in that sample
- na Not applicable
- I Reported value between laboratory method detection limit (MDL) and laboratory practical quantitation limit (PQL).
- V Indicates analyte detected in both the sample and the associated method blank

Appendix A

COMMENT:

**RDH ENVIRONMENTAL
GROUND WATER SAMPLING LOG
DEP-SOP-001/01-**

SITE ID. <u>G.P. SCHLIZ PLANT</u>		SITE LOCATION <u>SNEADS, FL.</u>		WEATHER <u>P/C 80°</u>	
WELL NO. <u>110</u>		WELL CONST. <u>PVC</u>		WELL DIAMETER <u>5"</u>	
DATE <u>11-7-05</u>					

PURGING DATA			
DEPTH TO WATER	TOTAL WELL DEPTH	WATER COLUMN	WELL CAPACITY
<u>8.81</u>	<u>21.9</u>	<u>13.09</u>	<u>2.09</u>
PURGE METHOD	PURGE START TIME	PURGE END TIME	TOTAL VOL. PURGED
<u>MASTER FLEX 4/5</u>	<u>1222</u>	<u>1351</u>	<u>4.2</u>

TIME	VOL PURGED GAL.	CUMUL PURGED GAL.	PURGE RATE GPM	DEPTH TO WATER	PH	COND.	TEMP.	D.O.	TURB.	O.R.P.	COLOR
1233	2.2	2.2	<u>ADJ</u> <u>1.13</u>	19.80	6.83	323	24.5	5.64	121	-81	HAZEY ORANGE PARTICLES
1351	2.2	4.2	<u>.03</u>	21.18	6.79	321	25.5	5.68	325	-67	CLEAR
1830	.15	.15		16.50	6.15	279	22.6	1.18	20.3	+6.0	SLIGHT HAZE 11-8-05

WELL CAPACITY (GAL PER FOOT): 0.75=0.02, 1"=0.04, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47

SAMPLING DATA

SAMPLING FIRM <u>RDH ENV.</u>	SAMPLER <u>RICK HALPERN</u>	SIGNATURE <u>Rick Halpern</u>
SAMPLING METHOD <u>PUMP</u>	SAMPLING STARTED AT <u>11/8/05 1800</u>	SAMPLING ENDED AT <u>1830</u>
FIELD DECON. Y <u>(N)</u> SOP.# <u>FC11160 7.1</u>	FIELD FILTERED <u>(N)</u> <u>1.0um</u>	DUPLICATE Y <u>(N)</u>
SAMPLE CONTAINER/PRESERVATIVE	EXTRA PRESERVATIVE ADDED/PH-OX	ANALYSIS
<u>2-32oz Plastic/HCL</u>	<u>NO/PH=2.0</u>	<u>As(3) & As(5) / 1.0um FILTERED/UNFILTERED</u>
<u>2-8oz Plastic/HNO3</u>	<u>NO/PH=2.0</u>	<u>metals / 1.0um FILTERED/UNFILTERED</u>
<u>2-8oz Plastic/none</u>	<u>N/A</u>	<u>Cl, SO4 / .45 FILTERED/UNFILTERED</u>
<u>2-4oz Plastic/H2SO4</u>	<u>NO/PH=2.0</u>	<u>PHOSPHATE / .45 FILTERED/UNFILTERED</u>
<u>2-4oz Plastic/none</u>	<u>N/A</u>	<u>NITRATE / .45 FILTERED/UNFILTERED</u>
COMMENTS: <u>FILTERED METALS = 1.0um FILTER / ALL OTHER FILTERED ANALYSIS = .45um FILTER</u>		
<u>ONE COMPLETE SET WAS UNFILTERED.</u>		

HAD TO USE THE EQUIPMENT PURGE METHOD ON 11-8-05 BECAUSE THE WELL GOES DRY.

COMMENTS: HAD TO SLOW THE PURGE RATE DOWN TO 50ml PER MIN BECAUSE OF A VERY SLOW RECHARGE. PURGE SLOWED TO LESS THAN 50ml PER MIN. TURNED THE PUMP OFF AT 1353 TO LET WELL RECHARGE.

ML/L ALC	FERROUS IRON	NITRATE	SULFIDE	NITRITE
152.8	ML/L	ML/L	ML/L	ML/L
.45um FILTERED	1.22	1.3	0.00	0.000
	1.0um FILTERED	.45um FILTERED		

11/8/05

**RDH ENVIRONMENTAL
GROUND WATER SAMPLING LOG
DEP-SOP-001/01**

SITE ID <u>6.P. SCHLZ PLANT</u>		SITE LOCATION <u>SNOWS, FL.</u>		WEATHER <u>Sunny 84°</u>	
WELL NO. <u>203MD</u>		WELL CONST. <u>PVC</u>		WELL DIAMETER <u>2"</u>	
DATE <u>11-8-05</u>					

PURGING DATA

DEPTH TO WATER	TOTAL WELL DEPTH	WATER COLUMN	WELL CAPACITY
<u>18.39</u>	<u>52.0</u>	<u>33.61</u>	<u>5.37</u>
PURGE METHOD	PURGE START TIME	PURGE END TIME	TOTAL VOL. PURGED
<u>MASTER FLEX L/S</u>	<u>1246</u>	<u>1501</u>	<u>27</u>

TIME	VOL. PURGED GAL.	CUMUL. PURGED GAL.	PURGE RATE GPM	DEPTH TO WATER	PH	COND.	TEMP.	D.O.	TURB.	O.R.P.	COLOR
1313	5.4	5.4	.2	18.86	6.28	411	20.7	2.77	13.1	-44	SLIGHT HAZE
1340	5.4	10.8	.2	18.84	6.34	385	20.7	3.19	5.36	-42	CLEAR
1407	5.4	16.2	.2	18.84	6.37	376	20.7	2.95	2.62	-43	CLEAR
1434	5.4	21.6	.2	18.84	6.38	373	20.7	3.03	2.21	-43	CLEAR
1501	5.4	27.0	.2	18.84	6.40	371	20.6	3.11	1.90	-43	CLEAR

WELL CAPACITY (GAL. PER FOOT): 0.75"=0.02, 1"=0.04, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47

SAMPLING DATA

SAMPLING FIRM <u>RDH ENV.</u>	SAMPLER <u>RICK HAVENHOFER</u>	SIGNATURE <u>[Signature]</u>
SAMPLING METHOD <u>PUMP</u>	SAMPLING STARTED AT <u>1505</u>	SAMPLING ENDED AT <u>1525</u>
FIELD DECON. Y ☒ SOP # <u>F0160 7.1</u>	FIELD FILTERED ☒ N	DUPLICATE ☒ N
SAMPLE CONTAINER/PRESERVATIVE	EXTRA PRESERVATIVE ADDED/PH-OK	ANALYSIS
3-36oz Plastic/HCL	NO/PH=2.0	As(3) As(5) / ^{1.0um} FILTERED / ^{.45um} FILTERED / UNFILTERED
3-8oz Plastic/HNO3	NO/PH=2.0	METALS / ^{1.0um} FILTERED / ^{.45um} FILTERED / UNFILTERED
2-8oz Plastic/NONE	N/A	Cl, SO4 / ^{.45um} FILTERED / UNFILTERED
2-4oz Plastic/NONE	N/A	NITRATE / ^{.45um} FILTERED / UNFILTERED
2-4oz Plastic/H2SO4	NO/PH=2.0	PHOSPHATE / ^{.45um} FILTERED / UNFILTERED
3-16oz Plastic/HNO3	NO/PH=2.0	METALS / ^{.45um} FILTERED / ^{1.0um} FILTERED / UNFILTERED
4-8oz Plastic/NONE	N/A	Cl, SO4, NITRATE / ^{.45um} FILTERED / UNFILTERED
2-8oz Plastic/H2SO4	NO/PH=2.0	PHOSPHATE / ^{.45um} FILTERED / UNFILTERED

SPLIT
SENT TO
STL-TALLAHASSEE

COMMENTS ^{RDH} NOT FILTERED METALS & As(3) As(5) ^{RDH} WERE 2 SEPARATE SAMPLES WERE COLLECTED .45um + 1.0um
 ALL OTHER FILTERED ANALYSIS = .45um. ONE COMPLETE SET WAS UNFILTERED.
 ONE COMPLETE SET OF SAMPLES WAS COLLECTED & SENT TO STL TALLAHASSEE. (EXCEPT FOR As(3) As(5))

AlK mg/L	Ferrous IRON mg/L	NITRATE mg/L	SULFIDE mg/L	NITRATE mg/L
179.6	1.37	1.2	0.06	0.002
.45um		1.0um	.45um	1.0um FILTERED

**RDH ENVIRONMENTAL
GROUND WATER SAMPLING LOG
DEP-SOP-001/01**

6.P.

SITE ID. SCHOLZ PLANT		SITE LOCATION SNEADS, FL		WEATHER P/C 82°	
WELL NO. 204 MD		WELL CONST. PVC		WELL DIAMETER 2"	
				DATE 11-7-05	
DEPTH TO WATER		TOTAL WELL DEPTH		WATER COLUMN	
61.10		75.65		14.55	
PURGE METHOD		PURGE START TIME		PURGE END TIME	
2" GRIND FOS		1502		1544	
				WELL CAPACITY	
				2.32	
				TOTAL VOL. PURGED	
				8.4	

TIME	VOL PURGED GAL	CUMUL PURGED GAL	PURGE RATE GPM	DEPTH TO WATER	PH	COND.	TEMP.	D.O.	TURB.	O.R.P.	COLOR
1514	2.4	2.4	.2	61.24	7.77	251	22.9	5.13	3.23	+40	CLEAR
1526	2.4	4.8	.2	61.26	7.67	251	22.9	5.10	2.48	+46	CLEAR
1544	3.6	8.4	.2	61.26	7.68	250	22.9	5.10	1.78	+50	CLEAR

WELL CAPACITY (GAL PER FOOT): 0.75=0.02, 1"=0.04, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47

SAMPLING DATA

SAMPLING FIRM RDH ENV.	SAMPLER Rick Halverson	SIGNATURE <i>[Signature]</i>
SAMPLING METHOD Pump	SAMPLING STARTED AT 1550	SAMPLING ENDED AT 1605
FIELD DECON. @ N SOP # FC1131 FC1162.1	FIELD FILTERED (Y) N	DUPLICATE Y (Y) N
SAMPLE CONTAINER/PRESERVATIVE	EXTRA PRESERVATIVE ADDED/PH-OK	ANALYSIS
2-32oz Plastic/HCL	NO/PH=2.0	As(3) As(5) / 1.0um Filtered / UNFILTERED
2-8oz Plastic/HNO3	NO/PH=2.0	Metals / 1.0um Filtered / UNFILTERED
2-8oz Plastic/NONE	N/A	Cl, SO4 / .45um Filtered / UNFILTERED
2-4oz Plastic/NONE	N/A	NITRATE / .45um Filtered / UNFILTERED
2-4oz Plastic/H2SO4	NO/PH=2.0	PHOSPHATE / .45um Filtered / UNFILTERED

COMMENTS Filtered Metals = 1.0um Filter / ALL OTHER FILTERED ANALYSIS = .45um Filter
 NO COMPLETE SET WAS UNFILTERED.

ALK mb/L	FRANCOUS	NITRATE	SULFIDE	NITRATE
118	MB/L IRON	MB/L	MB/L	MB/L
.45um	0.02	1.0	0.00	0.001
FILTERED				

**RDH ENVIRONMENTAL
GROUND WATER SAMPLING LOG
DEP-SOP-001/01**

SITE ID. <i>GP PLANT SCHOLZ</i>		SITE LOCATION <i>SWEADS, FL.</i>		WEATHER <i>Sunny 84°</i>	
WELL NO. <i>205 MD</i>		WELL CONST. <i>PVC</i>		WELL DIAMETER <i>2"</i>	
				DATE <i>11-9-05</i>	

PURGING DATA			
DEPTH TO WATER	TOTAL WELL DEPTH	WATER COLUMN	WELL CAPACITY
<i>82.32</i>	<i>95.6</i>	<i>13.28</i>	<i>2.12</i>
PURGE METHOD	PURGE START TIME	PURGE END TIME	TOTAL VOL. PURGED
<i>2" GROUND FOS</i>	<i>1347</i>	<i>1453</i>	<i>13.2</i>

TIME	VOL PURGED <i>in L</i>	CUMUL PURGED <i>in L</i>	PURGE RATE <i>gpm</i>	DEPTH TO WATER	PH	COND.	TEMP.	D.O.	TURB.	O.R.P.	COLOR
<i>1358</i>	<i>2.2</i>	<i>2.2</i>	<i>.2</i>	<i>83.61</i>	<i>10.09</i>	<i>311</i>	<i>24.5</i>	<i>6.44</i>	<i>26.5</i>	<i>-71</i>	<i>SLIGHTLY HAZE</i>
<i>1409</i>	<i>2.2</i>	<i>4.4</i>	<i>.2</i>	<i>83.63</i>	<i>9.20</i>	<i>185</i>	<i>24.6</i>	<i>6.10</i>	<i>4.84</i>	<i>+0.5</i>	<i>CLEAR</i>
<i>1420</i>	<i>2.2</i>	<i>6.6</i>	<i>.2</i>	<i>83.66</i>	<i>8.95</i>	<i>186</i>	<i>24.6</i>	<i>5.98</i>	<i>.46</i>	<i>+7.4</i>	<i>CLEAR</i>
<i>1431</i>	<i>2.2</i>	<i>8.8</i>	<i>.2</i>	<i>83.67</i>	<i>8.84</i>	<i>189</i>	<i>24.7</i>	<i>5.96</i>	<i>2.56</i>	<i>+4.9</i>	<i>CLEAR</i>
<i>1442</i>	<i>2.2</i>	<i>11.0</i>	<i>.2</i>	<i>83.67</i>	<i>8.75</i>	<i>192</i>	<i>24.7</i>	<i>6.02</i>	<i>3.90</i>	<i>+1.9</i>	<i>CLEAR</i>
<i>1453</i>	<i>2.2</i>	<i>13.2</i>	<i>.2</i>	<i>83.67</i>	<i>8.69</i>	<i>195</i>	<i>24.6</i>	<i>6.01</i>	<i>3.04</i>	<i>+2.5</i>	<i>CLEAR</i>

WELL CAPACITY (GAL PER FOOT): 0.75"=0.02, 1"=0.04, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47

SAMPLING DATA

SAMPLING FIRM <i>RDH ENV.</i>	SAMPLER <i>Rick Halenborg</i>	SIGNATURE <i>[Signature]</i>
SAMPLING METHOD <i>PUMP</i>	SAMPLING STARTED AT <i>1455</i>	SAMPLING ENDED AT <i>1505</i>
FIELD DECON. ☒ N SOP # <i>FC1131</i> <i>FC1160.7.1</i>	FIELD FILTERED ☒ N	DUPLICATE Y ☒
SAMPLE CONTAINER/PRESERVATIVE	EXTRA PRESERVATIVE ADDED/PH-OK	ANALYSIS
<i>2-32oz Plastic/HCL</i>	<i>NO/PH<2.0</i>	<i>As(3) As(5) / 1.0um Filtered / UNFILTERED</i>
<i>2-8oz Plastic/HNO3</i>	<i>NO/PH<2.0</i>	<i>METALS / 1.0um Filtered / UNFILTERED</i>
<i>2-8oz Plastic/None</i>	<i>NO/PH<2.0 N/A</i>	<i>Cl, SO4 / .45um Filtered / UNFILTERED</i>
<i>2-4oz Plastic/None</i>	<i>N/A</i>	<i>NITRATE / .45um Filtered / UNFILTERED</i>
<i>2-4oz Plastic/H2SO4</i>	<i>NO/PH<2.0</i>	<i>PHOSPHATE / .45um Filtered / UNFILTERED</i>

COMMENTS *FILTERED METALS & As(3) As(5) = 1.0um Filter / ALL OTHER ANALYSIS = .45um Filter*
WE COMPLETE SET WAS UNFILTERED.

ALK mg/L <i>100.8</i> <i>.45um Filter</i>	FERRUS Fe mg/L <i>0.00</i> <i>1.0um Filter</i>	NITRATE mg/L <i>3.2</i> <i>.45um Filter</i>	SULFIDE mg/L <i>0.07</i> <i>1.0um Filter</i>	NITRITE mg/L <i>0.003</i> <i>1.0um Filter</i>
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**RDH ENVIRONMENTAL
GROUND WATER SAMPLING LOG
DEP-SOP-001/01**

SITE ID. <u>G.P. SCHOLZ PLANT</u>	SITE LOCATION <u>SNEADS</u>	WEATHER <u>PLC</u>
WELL NO. <u>210 MD</u>	WELL CONST. <u>PVC</u>	WELL DIAMETER <u>2"</u>
		DATE <u>11-7-05</u>

PURGING DATA			
DEPTH TO WATER	TOTAL WELL DEPTH	WATER COLUMN	WELL CAPACITY
<u>49.30</u>	<u>67.05</u>	<u>17.35</u>	<u>2.77</u>
PURGE METHOD	PURGE START TIME	PURGE END TIME	TOTAL VOL. PURGED
<u>2" GROUND FOS</u>	<u>1006</u>	<u>1048</u>	<u>8.4</u>

TIME	VOL PURGED (GAL)	CUMUL PURGED (GAL)	PURGE RATE (GPM)	DEPTH TO WATER	PH	COND.	TEMP.	D.O.	TURB.	O.R.P.	COLOR
<u>1020</u>	<u>2.8</u>	<u>2.8</u>	<u>.2</u>	<u>50.58</u>	<u>6.11</u>	<u>2104</u>	<u>24.4</u>	<u>.37</u>	<u>7.91</u>	<u>-74</u>	<u>CLEAR</u>
<u>1034</u>	<u>2.8</u>	<u>5.6</u>	<u>.2</u>	<u>—</u>	<u>6.16</u>	<u>2105</u>	<u>24.5</u>	<u>.29</u>	<u>4.10</u>	<u>-81</u>	<u>CLEAR</u>
<u>1048</u>	<u>2.8</u>	<u>8.4</u>	<u>.2</u>	<u>50.58</u>	<u>6.18</u>	<u>2092</u>	<u>24.5</u>	<u>.26</u>	<u>3.85</u>	<u>-84</u>	<u>CLEAR</u>

WELL CAPACITY (GAL PER FOOT): 0.75=0.02, 1"=0.04, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47

SAMPLING DATA

SAMPLING FIRM <u>RDH ENV.</u>	SAMPLER <u>RICK HALL/NOV 05</u>	SIGNATURE <u>[Signature]</u>
SAMPLING METHOD <u>PUMP</u>	SAMPLING STARTED AT <u>1120</u>	SAMPLING ENDED AT <u>1135</u>
FIELD DECON <u>(Y) N</u> SOP.# <u>FE1131</u> <u>FE1160.71</u>	FIELD FILTERED <u>(Y) N</u>	DUPLICATE <u>Y (N)</u>
SAMPLE CONTAINER/PRESERVATIVE	EXTRA PRESERVATIVE ADDED/PH-OK	ANALYSIS
<u>2-32oz Plastic/HCL</u>	<u>NO/PH=2.0</u>	<u>As(3) As(5) / 1.0um FILTERED/UNFILTERED</u>
<u>2-8oz Plastic/HNO3</u>	<u>NO/PH=2.0</u>	<u>metals / 1.0um FILTERED/UNFILTERED</u>
<u>2-8oz Plastic/NOVE</u>	<u>NA</u>	<u>Cl, SO4 / .45um FILTERED/UNFILTERED</u>
<u>2-4oz Plastic/NOVE</u>	<u>NA</u>	<u>NITRATE / .45um FILTERED/UNFILTERED</u>
<u>2-4oz Plastic/H2SO4</u>	<u>NO/PH=2.0</u>	<u>PHOSPHATE / .45um FILTERED/UNFILTERED</u>

COMMENTS FILTERED METALS = 1.0um Filter / ALL OTHER FILTERED ANALYSIS = .45um
Complete set was UNFILTERED.

ALK. M/L	NITRATE	IRON	SULFIDE	NITRITE
<u>198</u>	<u>mb/L 3.0</u>	<u>mg/L</u>	<u>.45 Filtered</u>	<u>.45 Filtered</u>
<u>797</u>	<u>2.0</u>	<u>3.38</u>	<u>0</u>	<u>mg/L</u>
<u>797</u>	<u>5.0</u>	<u>2.2</u>		

**RDH ENVIRONMENTAL
GROUND WATER SAMPLING LOG
DEP-SOP-001/01**

SITE ID. LA SCHOLZ PLANT	SITE LOCATION SWANOS, FL.	WEATHER P/C	
WELL NO. ASH POND	WELL CONST. N/A	WELL DIAMETER N/A	DATE 11-10-05

PURGING DATA

DEPTH TO WATER	TOTAL WELL DEPTH	WATER COLUMN	WELL CAPACITY
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
PURGE METHOD	PURGE START TIME	PURGE END TIME	TOTAL VOL. PURGED
<u>MASTER FLEX L/S</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

TIME	VOL. PURGED	CUMUL. PURGED	PURGE RATE	DEPTH TO WATER	PH	COND.	TEMP.	D.O.	TURB.	O.R.P.	COLOR
<u>0925</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>6.64</u>	<u>443</u>	<u>20.4</u>	<u>7.27</u>	<u>.97</u>	<u>+64</u>	<u>CLEAR</u>

WELL CAPACITY (GAL PER FOOT): 0.75"=0.02, 1"=0.04, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47

SAMPLING DATA

SAMPLING FIRM <u>RDH ENV.</u>	SAMPLER <u>RICK HAVENDORFER</u>	SIGNATURE <u>Rick Havendorfer</u>
SAMPLING METHOD <u>PUMP</u>	SAMPLING STARTED AT <u>0940</u>	SAMPLING ENDED AT <u>0950</u>
FIELD DECON. Y ☒ N ☐ SOP.# <u>FC1160 7.1</u>	FIELD FILTERED ☒ N ☐	DUPLICATE Y ☐ N ☒
SAMPLE CONTAINER/PRESERVATIVE	EXTRA PRESERVATIVE ADDED/PH-OK	ANALYSIS
<u>2-32oz PLASTIC/HCL</u>	<u>NO/PH<2.0</u>	<u>AS(3) AS(5) / .45um FILTERED/UNFILTERED</u>
<u>2-8oz PLASTIC/HNO3</u>	<u>NO/PH<2.0</u>	<u>METALS / .45um FILTERED/UNFILTERED</u>
<u>2-8oz PLASTIC/NONE</u>	<u>N/A</u>	<u>CL, SO4 / .45um FILTERED/UNFILTERED</u>
<u>2-4oz PLASTIC/NONE</u>	<u>N/A</u>	<u>NITRATE / .45um FILTERED/UNFILTERED</u>
<u>2-4oz PLASTIC/H2SO4</u>	<u>NO/PH<2.0</u>	<u>PHOSPHATE / .45um FILTERED/UNFILTERED</u>

COMMENTS ALL FILTERED SAMPLES WERE FILTERED WITH A .45um FILTER.
ONE COMPLETE SET WAS UNFILTERED.

ALK <u>mb/L</u> <u>51.6</u> <u>.45um FILTERED</u>	FERRIC IRON <u>mb/L</u> <u>0.01</u> <u>.45um FILTERED</u>	NITRATE <u>mb/L</u> <u>0.7</u> <u>.45um FILTERED</u>	SULFIDE <u>mb/L</u> <u>0.07</u> <u>.45um FILTERED</u>	NITRITE <u>mb/L</u> <u>0.004</u> <u>.45um FILTERED</u>
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Appendix B



Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

January 05, 2006

Mr. Rick Hagendorfer
RDH Environmental
5720 Dove Drive
Pace, FL 32571

RE: Lab Project Number: 92106966
Client Project ID: Plant Scholz

Dear Mr. Hagendorfer:

Enclosed are the analytical results for sample(s) received by the laboratory on November 8, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Richard Swartz
Richard.Swartz@pacelabs.com
Project Manager

Enclosures

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Lab Project Number: 92106966
Client Project ID: Plant Scholz

Lab Sample No: 926313453 Project Sample Number: 92106966-001 Date Collected: 11/07/05 11:20
Client Sample ID: 210MD Matrix: Water Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Aluminum	ND	mg/l	0.10	11/09/05 18:20	ALV	7429-90-5		
Arsenic	ND	mg/l	0.0050	11/09/05 18:20	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/09/05 18:20	ALV	7440-43-9		
Calcium	310	mg/l	0.10	11/09/05 18:20	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/09/05 18:20	ALV	7440-47-3		
Iron	47.	mg/l	0.050	11/09/05 18:20	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/09/05 18:20	ALV	7439-92-1		
Magnesium	110	mg/l	0.10	11/09/05 18:20	ALV	7439-95-4		
Manganese	1.7	mg/l	0.0050	11/09/05 18:20	ALV	7439-96-5		
Potassium	2.8	mg/l	1.0	11/09/05 18:20	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/09/05 18:20	ALV	7782-49-2		
Sodium	44.	mg/l	1.0	11/09/05 18:20	ALV	7440-23-5		
Strontium	0.83	mg/l	0.0050	11/09/05 18:20	ALV	7440-24-6		
Date Digested	11/10/05 09:45			11/10/05 09:45				

Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	15.	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		

48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 09:16	EWS			

Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		

Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	1200	mg/l	5.0	11/09/05 11:30	BMF			

Date: 01/05/06

Page: 1 of 20

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Lab Project Number: 92106966
Client Project ID: Plant Scholz

Lab Sample No: 926313461 Project Sample Number: 92106966-002 Date Collected: 11/07/05 15:50
Client Sample ID: 204MD Matrix: Water Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Aluminum	ND	mg/l	0.10	11/09/05 18:24	ALV	7429-90-5		
Arsenic	ND	mg/l	0.0050	11/09/05 18:24	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/09/05 18:24	ALV	7440-43-9		
Calcium	28.	mg/l	0.10	11/09/05 18:24	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/09/05 18:24	ALV	7440-47-3		
Iron	ND	mg/l	0.050	11/09/05 18:24	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/09/05 18:24	ALV	7439-92-1		
Magnesium	15.	mg/l	0.10	11/09/05 18:24	ALV	7439-95-4		
Manganese	ND	mg/l	0.0050	11/09/05 18:24	ALV	7439-96-5		
Potassium	1.2	mg/l	1.0	11/09/05 18:24	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/09/05 18:24	ALV	7782-49-2		
Sodium	1.9	mg/l	1.0	11/09/05 18:24	ALV	7440-23-5		
Strontium	0.035	mg/l	0.0050	11/09/05 18:24	ALV	7440-24-6		
Date Digested	11/10/05 09:45		11/10/05 09:45					

Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	ND	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	1.6	mg/l	0.10	11/09/05 09:16	EWS			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/09/05 11:30	BMF			

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Lab Project Number: 92106966
Client Project ID: Plant Scholz

Lab Sample No: 926313479 Project Sample Number: 92106966-003 Date Collected: 11/07/05 17:45
Client Sample ID: 2048 Matrix: Water Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Aluminum	5.9	mg/l	0.10	11/09/05 18:28	ALV	7429-90-5		
Arsenic	ND	mg/l	0.0050	11/09/05 18:28	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/09/05 18:28	ALV	7440-43-9		
Calcium	56.	mg/l	0.10	11/09/05 18:28	ALV	7440-70-2		
Chromium	0.0098	mg/l	0.0020	11/09/05 18:28	ALV	7440-47-3		
Iron	9.0	mg/l	0.050	11/09/05 18:28	ALV	7439-89-6		
Lead	0.0059	mg/l	0.0050	11/09/05 18:28	ALV	7439-92-1		
Magnesium	37.	mg/l	0.10	11/09/05 18:28	ALV	7439-95-4		
Manganese	0.51	mg/l	0.0050	11/09/05 18:28	ALV	7439-96-5		
Potassium	2.3	mg/l	1.0	11/09/05 18:28	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/09/05 18:28	ALV	7782-49-2		
Sodium	52.	mg/l	1.0	11/09/05 18:28	ALV	7440-23-5		
Strontium	0.43	mg/l	0.0050	11/09/05 18:28	ALV	7440-24-6		
Date Digested	11/10/05 09:45			11/10/05 09:45				

Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	8.0	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 09:16	EWS			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	35.	mg/l	5.0	11/09/05 11:30	BMF			

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Lab Project Number: 92106966
Client Project ID: Plant Scholz

Lab Sample No: 926313537 Project Sample Number: 92106966-004 Date Collected: 11/07/05 17:45
Client Sample ID: 2048-FILTERD Matrix: Water Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 20:52	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 20:52	ALV	7440-43-9		
Calcium, Dissolved	82.	mg/l	0.10	11/16/05 20:52	ALV	7440-70-2		
Chromium, Dissolved	0.0021	mg/l	0.0020	11/16/05 20:52	ALV	7440-47-3		
Iron, Dissolved	14.	mg/l	0.050	11/16/05 20:52	ALV	7439-89-6		
Lead, Dissolved	0.0066	mg/l	0.0050	11/16/05 20:52	ALV	7439-92-1		
Magnesium, Dissolved	12.	mg/l	0.10	11/16/05 20:52	ALV	7439-95-4		
Manganese, Dissolved	1.5	mg/l	0.0050	11/16/05 20:52	ALV	7439-96-5		
Potassium, Dissolved	3.4	mg/l	1.0	11/16/05 20:52	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 20:52	ALV	7782-49-2		
Sodium, Dissolved	21.	mg/l	5.0	11/16/05 20:52	ALV	7440-23-5		
Strontium, Dissolved	0.36	mg/l	0.0050	11/16/05 20:52	ALV	7440-24-6		
Date Digested	11/10/05 10:30		11/10/05 10:30					

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	8.2	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 09:16	EWS			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	37.	mg/l	5.0	11/09/05 11:30	BMF			

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Lab Project Number: 92106966
Client Project ID: Plant Scholz

Lab Sample No: 926313545 Project Sample Number: 92106966-005 Date Collected: 11/07/05 15:50
Client Sample ID: 204MD-FILTERD Matrix: Water Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 20:57	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 20:57	ALV	7440-43-9		
Calcium, Dissolved	26.	mg/l	0.10	11/16/05 20:57	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 20:57	ALV	7440-47-3		
Iron, Dissolved	0.095	mg/l	0.050	11/16/05 20:57	ALV	7439-89-6		
Lead, Dissolved	0.0051	mg/l	0.0050	11/16/05 20:57	ALV	7439-92-1		
Magnesium, Dissolved	13.	mg/l	0.10	11/16/05 20:57	ALV	7439-95-4		
Manganese, Dissolved	0.014	mg/l	0.0050	11/16/05 20:57	ALV	7439-96-5		
Potassium, Dissolved	1.4	mg/l	1.0	11/16/05 20:57	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 20:57	ALV	7782-49-2		
Sodium, Dissolved	12.	mg/l	1.0	11/16/05 20:57	ALV	7440-23-5		
Strontium, Dissolved	0.033	mg/l	0.0050	11/16/05 20:57	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				
Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	ND	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	1.6	mg/l	0.10	11/09/05 09:16	EWS			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/09/05 11:30	BMF			

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Lab Project Number: 92106966
Client Project ID: Plant Scholz

Lab Sample No: 926313578 Project Sample Number: 92106966-006 Date Collected: 11/07/05 11:20
Client Sample ID: 210MD-FILTERD Matrix: Water Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:01	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:01	ALV	7440-43-9		
Calcium, Dissolved	300	mg/l	0.10	11/16/05 21:01	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:01	ALV	7440-47-3		
Iron, Dissolved	43.	mg/l	0.050	11/16/05 21:01	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/16/05 21:01	ALV	7439-92-1		
Magnesium, Dissolved	100	mg/l	0.10	11/16/05 21:01	ALV	7439-95-4		
Manganese, Dissolved	1.5	mg/l	0.0050	11/16/05 21:01	ALV	7439-96-5		
Potassium, Dissolved	2.6	mg/l	1.0	11/16/05 21:01	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:01	ALV	7782-49-2		
Sodium, Dissolved	39.	mg/l	5.0	11/16/05 21:01	ALV	7440-23-5		
Strontium, Dissolved	0.77	mg/l	0.0050	11/16/05 21:01	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	15.	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 09:16	EWS			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	1200	mg/l	5.0	11/09/05 11:30	BMF			

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Lab Project Number: 92106966
Client Project ID: Plant Scholz

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QC Batch: 142503 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926313453 926313461 926313479

METHOD BLANK: 926330978
Associated Lab Samples: 926313453 926313461 926313479

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926330986

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Mercury	mg/l	0.0025	0.0027	107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331000 926331018

Parameter	Units	926315375	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Mercury	mg/l	0	0.0025	0.0027	0.0026	108	106	2	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QC Batch: 142505 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, Dissolved by CVAAS
Associated Lab Samples: 926313537 926313545 926313578

METHOD BLANK: 926331067
Associated Lab Samples: 926313537 926313545 926313578

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Mercury, Dissolved	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926331075

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Mercury, Dissolved	mg/l	0.0025	0.0028	111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331083 926331091

Parameter	Units	926313537	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Mercury, Dissolved	mg/l	0	0.0025	0.0022	0.0023	88	91	4	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QC Batch: 142366 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Metals by Trace ICP
Associated Lab Samples: 926313453 926313461 926313479

METHOD BLANK: 926325846
Associated Lab Samples: 926313453 926313461 926313479

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Aluminum	mg/l	ND	0.10	
Arsenic	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0010	
Calcium	mg/l	ND	0.10	
Chromium	mg/l	ND	0.0020	
Iron	mg/l	ND	0.050	
Lead	mg/l	ND	0.0050	
Magnesium	mg/l	ND	0.10	
Manganese	mg/l	ND	0.0050	
Potassium	mg/l	ND	1.0	
Selenium	mg/l	ND	0.0050	
Sodium	mg/l	ND	1.0	
Strontium	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926325853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Aluminum	mg/l	20.00	21.80	109	
Arsenic	mg/l	0.5000	0.5280	106	
Cadmium	mg/l	0.5000	0.5160	103	
Calcium	mg/l	20.00	20.70	104	
Chromium	mg/l	0.5000	0.5200	104	
Iron	mg/l	20.00	20.70	104	
Lead	mg/l	0.5000	0.5220	104	
Magnesium	mg/l	20.00	20.90	105	
Manganese	mg/l	0.5000	0.5210	104	
Potassium	mg/l	10.00	11.80	118	
Selenium	mg/l	0.5000	0.5230	105	
Sodium	mg/l	10.00	10.60	106	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

LABORATORY CONTROL SAMPLE: 926325853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Strontium	mg/l	0.5000	0.5140	103	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926325861 926325879

Parameter	Units	926308743 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Aluminum	mg/l	0.02530	20.00	21.50	21.30	107	106	1	
Arsenic	mg/l	0	0.5000	0.5190	0.5190	104	104	0	
Cadmium	mg/l	0.00014	0.5000	0.5050	0.5060	101	101	0	
Calcium	mg/l	1.670	20.00	21.90	21.80	101	101	0	
Chromium	mg/l	0	0.5000	0.5110	0.5100	102	102	0	
Iron	mg/l	0	20.00	20.30	20.20	102	101	0	
Lead	mg/l	0.00093	0.5000	0.5090	0.5080	102	101	0	
Magnesium	mg/l	1.710	20.00	22.20	22.10	102	102	0	
Manganese	mg/l	0.00953	0.5000	0.5220	0.5200	102	102	0	
Potassium	mg/l	0.5230	10.00	12.40	12.00	119	115	3	
Selenium	mg/l	0.00311	0.5000	0.5080	0.5130	101	102	1	
Sodium	mg/l	4.160	10.00	16.40	16.20	122	120	1	
Strontium	mg/l	0.01630	0.5000	0.5220	0.5210	101	101	0	

SAMPLE DUPLICATE: 926325887

Parameter	Units	926308750 Result	DUP Result	RPD	Footnotes
Aluminum	mg/l	ND	ND	NC	
Arsenic	mg/l	ND	ND	NC	
Cadmium	mg/l	ND	ND	NC	
Calcium	mg/l	2.200	2.200	1	
Chromium	mg/l	ND	ND	NC	
Iron	mg/l	ND	ND	NC	
Lead	mg/l	ND	ND	NC	
Magnesium	mg/l	1.200	1.200	2	
Manganese	mg/l	0.00900	0.00910	1	
Potassium	mg/l	1.000	1.100	5	
Selenium	mg/l	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

SAMPLE DUPLICATE: 926325887

<u>Parameter</u>	<u>Units</u>	926308750	DUP	<u>RPD</u>	<u>Footnotes</u>
		<u>Result</u>	<u>Result</u>		
Sodium	mg/l	7.800	7.900	1	
Strontium	mg/l	0.01400	0.01400	1	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QC Batch: 142367 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Dissolved Metals, Trace ICP
Associated Lab Samples: 926313537 926313545 926313578

METHOD BLANK: 926325895
Associated Lab Samples: 926313537 926313545 926313578

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Arsenic, Dissolved	mg/l	ND	0.0050	
Cadmium, Dissolved	mg/l	ND	0.0010	
Calcium, Dissolved	mg/l	ND	0.10	
Chromium, Dissolved	mg/l	ND	0.0020	
Iron, Dissolved	mg/l	ND	0.050	
Lead, Dissolved	mg/l	ND	0.0050	
Magnesium, Dissolved	mg/l	ND	0.10	
Manganese, Dissolved	mg/l	ND	0.0050	
Potassium, Dissolved	mg/l	ND	1.0	
Selenium, Dissolved	mg/l	ND	0.0050	
Sodium, Dissolved	mg/l	ND	1.0	
Strontium, Dissolved	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926325903

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Arsenic, Dissolved	mg/l	0.5000	0.5160	103	
Cadmium, Dissolved	mg/l	0.5000	0.5120	102	
Calcium, Dissolved	mg/l	20.00	20.30	102	
Chromium, Dissolved	mg/l	0.5000	0.5180	104	
Iron, Dissolved	mg/l	20.00	20.20	101	
Lead, Dissolved	mg/l	0.5000	0.5170	103	
Magnesium, Dissolved	mg/l	20.00	20.40	102	
Manganese, Dissolved	mg/l	0.5000	0.5200	104	
Potassium, Dissolved	mg/l	10.00	10.80	108	
Selenium, Dissolved	mg/l	0.5000	0.5150	103	
Sodium, Dissolved	mg/l	10.00	10.60	106	
Strontium, Dissolved	mg/l	0.5000	0.5170	103	

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REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926325911 926325929

Parameter	Units	926307604 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic, Dissolved	mg/l	0	0.5000	0.5410	0.5000	108	100	8	
Cadmium, Dissolved	mg/l	0	0.5000	0.5290	0.4890	106	98	8	
Calcium, Dissolved	mg/l	10.70	20.00	26.00	30.90	76	101	17	
Chromium, Dissolved	mg/l	0.00002	0.5000	0.5380	0.4950	108	99	8	
Iron, Dissolved	mg/l	1.660	20.00	17.20	21.60	78	100	23	1
Lead, Dissolved	mg/l	0.00998	0.5000	0.5420	0.5050	106	99	7	
Magnesium, Dissolved	mg/l	5.200	20.00	20.80	25.50	78	102	20	
Manganese, Dissolved	mg/l	2.240	0.5000	2.680	2.760	88	104	3	
Potassium, Dissolved	mg/l	6.340	10.00	15.80	19.00	95	127	18	2
Selenium, Dissolved	mg/l	0	0.5000	0.5330	0.4960	107	99	7	
Sodium, Dissolved	mg/l	15.20	10.00	26.10	30.50	109	153	16	2
Strontium, Dissolved	mg/l	0.07870	0.5000	0.6150	0.5760	107	100	7	

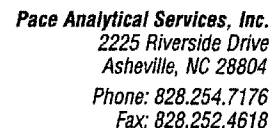
SAMPLE DUPLICATE: 926325937

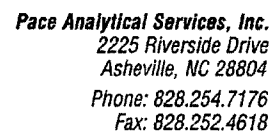
Parameter	Units	926307612 Result	DUP Result	RPD	Footnotes
Arsenic, Dissolved	mg/l	ND	ND	NC	
Cadmium, Dissolved	mg/l	ND	ND	NC	
Calcium, Dissolved	mg/l	4.800	4.800	1	
Chromium, Dissolved	mg/l	ND	ND	NC	
Iron, Dissolved	mg/l	0.9000	0.8900	1	
Lead, Dissolved	mg/l	0.00570	0.00590	4	
Magnesium, Dissolved	mg/l	2.600	2.500	1	
Manganese, Dissolved	mg/l	0.4500	0.4500	1	
Potassium, Dissolved	mg/l	2.700	2.600	3	
Selenium, Dissolved	mg/l	ND	ND	NC	
Sodium, Dissolved	mg/l	12.00	11.00	4	
Strontium, Dissolved	mg/l	0.03300	0.03200	1	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QC Batch: 142250 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926313453

METHOD BLANK: 926319088
Associated Lab Samples: 926313453

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926319096

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Chloride	mg/l	20.00	20.18	101	

MATRIX SPIKE: 926319104

Parameter	Units	926293697	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Chloride	mg/l	33.92	20.00	50.18	81	

SAMPLE DUPLICATE: 926319112

Parameter	Units	926296906	DUP	RPD	Footnotes
		Result	Result		
Chloride	mg/l	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QC Batch: 142252 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926313461 926313479 926313537 926313545 926313578

METHOD BLANK: 926319161
Associated Lab Samples: 926313461 926313479 926313537 926313545 926313578

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926319179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloride	mg/l	20.00	20.61	103	

MATRIX SPIKE: 926319187

Parameter	Units	926313461 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloride	mg/l	4.792	20.00	24.78	100	

SAMPLE DUPLICATE: 926319195

Parameter	Units	926313479 Result	DUP Result	RPD	Footnotes
Chloride	mg/l	8.000	7.400	7	

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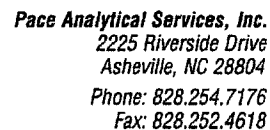
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Lab Project Number: 92106966
Client Project ID: Plant Scholz

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] The calculated RPD was outside QC acceptance limits.
[2] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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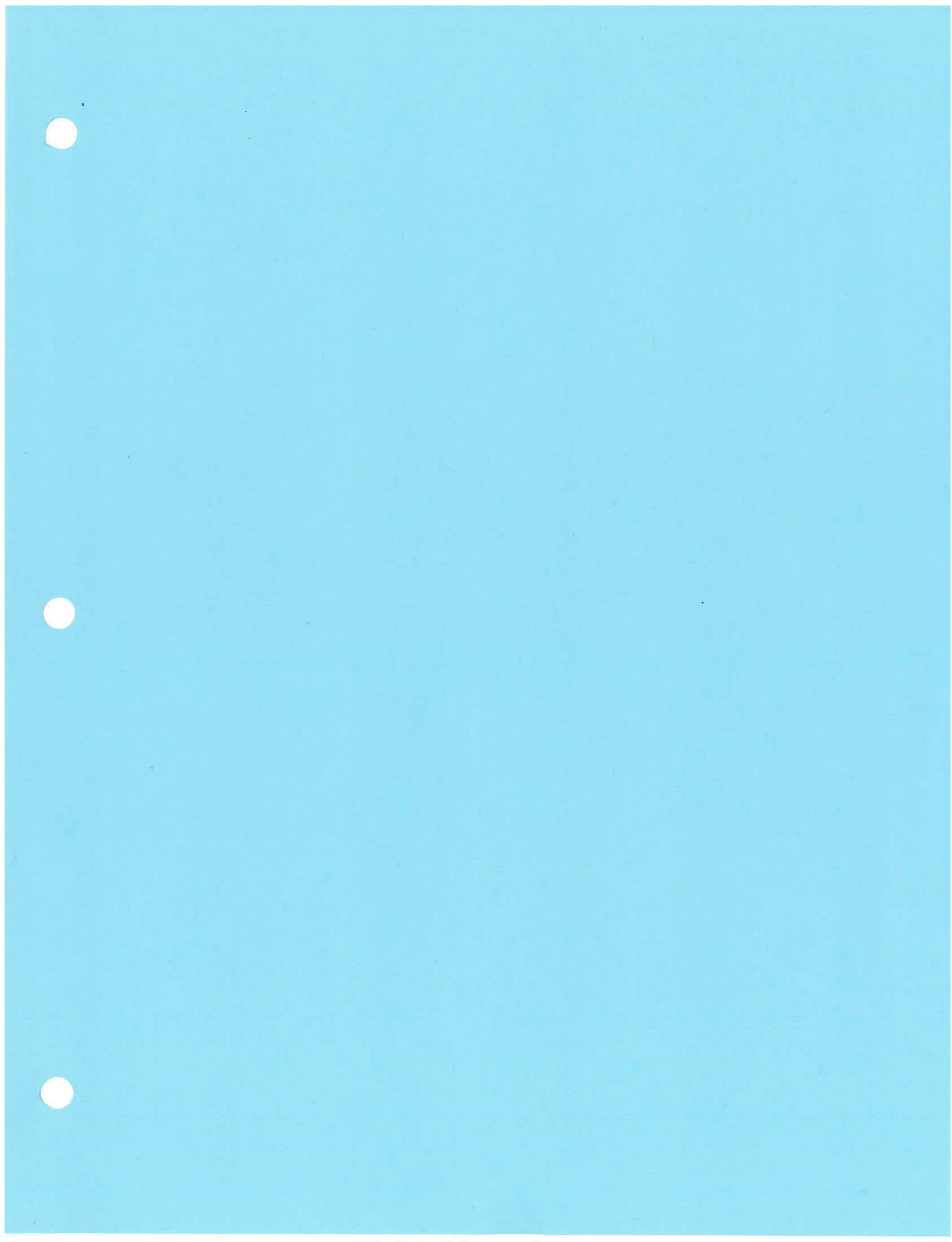
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2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

January 05, 2006

Mr. Rick Hagendorfer
RDE Environmental
5720 Dove Drive
Pace, FL 32571

RE: Lab Project Number: 92107081
Client Project ID: Plant Scholz

Dear Mr. Hagendorfer:

Enclosed are the analytical results for sample(s) received by the laboratory on November 9, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Richard Swartz
Richard.Swartz@pacelabs.com
Project Manager

Enclosures

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320078 Project Sample Number: 92107081-001 Date Collected: 11/08/05 09:48
Client Sample ID: 212MD Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Aluminum	ND	mg/l	0.10	11/15/05 17:49	ALV	7429-90-5		
Arsenic	ND	mg/l	0.0050	11/15/05 17:49	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 17:49	ALV	7440-43-9		
Calcium	46.	mg/l	0.10	11/15/05 17:49	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 17:49	ALV	7440-47-3		
Iron	ND	mg/l	0.050	11/15/05 17:49	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 17:49	ALV	7439-92-1		
Magnesium	23.	mg/l	0.10	11/15/05 17:49	ALV	7439-95-4		
Manganese	ND	mg/l	0.0050	11/15/05 17:49	ALV	7439-96-5		
Potassium	ND	mg/l	1.0	11/15/05 17:49	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 17:49	ALV	7782-49-2		
Sodium	9.7	mg/l	1.0	11/15/05 17:49	ALV	7440-23-5		
Strontium	0.12	mg/l	0.0050	11/15/05 17:49	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		
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Wet Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	6.5	mg/l	5.0	11/11/05 13:14	TMR	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	0.89	mg/l	0.10	11/09/05 23:59	CD1			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	34.	mg/l	5.0	11/14/05 11:00	BMF			
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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320144 Project Sample Number: 92107081-002 Date Collected: 11/08/05 09:48
Client Sample ID: 212MD-FILTERED Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:05	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:05	ALV	7440-43-9		
Calcium, Dissolved	47.	mg/l	0.10	11/16/05 21:05	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:05	ALV	7440-47-3		
Iron, Dissolved	0.56	mg/l	0.050	11/16/05 21:05	ALV	7439-89-6		
Lead, Dissolved	0.0064	mg/l	0.0050	11/16/05 21:05	ALV	7439-92-1		
Magnesium, Dissolved	23.	mg/l	0.10	11/16/05 21:05	ALV	7439-95-4		
Manganese, Dissolved	0.022	mg/l	0.0050	11/16/05 21:05	ALV	7439-96-5		
Potassium, Dissolved	1.3	mg/l	1.0	11/16/05 21:05	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:05	ALV	7782-49-2		
Sodium, Dissolved	27.	mg/l	5.0	11/16/05 21:05	ALV	7440-23-5		
Strontium, Dissolved	0.12	mg/l	0.0050	11/16/05 21:05	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	5.9	mg/l	5.0	11/11/05 13:14	TMR	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	0.97	mg/l	0.10	11/09/05 23:59	CD1			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	37.	mg/l	5.0	11/11/05 13:13	TMR			

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320151 Project Sample Number: 92107081-003 Date Collected: 11/08/05 15:05
Client Sample ID: 203MD-FILTERED Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:10	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:10	ALV	7440-43-9		
Calcium, Dissolved	39.	mg/l	0.10	11/16/05 21:10	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:10	ALV	7440-47-3		
Iron, Dissolved	1.2	mg/l	0.050	11/16/05 21:10	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/16/05 21:10	ALV	7439-92-1		
Magnesium, Dissolved	20.	mg/l	0.10	11/16/05 21:10	ALV	7439-95-4		
Manganese, Dissolved	0.54	mg/l	0.0050	11/16/05 21:10	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/16/05 21:10	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:10	ALV	7782-49-2		
Sodium, Dissolved	25.	mg/l	5.0	11/16/05 21:10	ALV	7440-23-5		
Strontium, Dissolved	0.068	mg/l	0.0050	11/16/05 21:10	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	5.6	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	0.93	mg/l	0.10	11/09/05 23:59	CD1			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	25.	mg/l	5.0	11/11/05 13:13	TMR			

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320169 Project Sample Number: 92107081-004 Date Collected: 11/08/05 15:05
Client Sample ID: 203MD-.45 FILTERED Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:14	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:14	ALV	7440-43-9		
Calcium, Dissolved	40.	mg/l	0.10	11/16/05 21:14	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:14	ALV	7440-47-3		
Iron, Dissolved	1.3	mg/l	0.050	11/16/05 21:14	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/16/05 21:14	ALV	7439-92-1		
Magnesium, Dissolved	20.	mg/l	0.10	11/16/05 21:14	ALV	7439-95-4		
Manganese, Dissolved	0.58	mg/l	0.0050	11/16/05 21:14	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/16/05 21:14	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:14	ALV	7782-49-2		
Sodium, Dissolved	18.	mg/l	1.0	11/16/05 21:14	ALV	7440-23-5		
Strontium, Dissolved	0.071	mg/l	0.0050	11/16/05 21:14	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				
Mercury, Dissolved by CVAAS		Method: EPA 7470						
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320177 Project Sample Number: 92107081-005 Date Collected: 11/08/05 15:05
Client Sample ID: 203MD Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Aluminum	ND	mg/l	0.10	11/15/05 17:53	ALV	7429-90-5		
Arsenic	ND	mg/l	0.0050	11/15/05 17:53	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 17:53	ALV	7440-43-9		
Calcium	40.	mg/l	0.10	11/15/05 17:53	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 17:53	ALV	7440-47-3		
Iron	1.5	mg/l	0.050	11/15/05 17:53	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 17:53	ALV	7439-92-1		
Magnesium	21.	mg/l	0.10	11/15/05 17:53	ALV	7439-95-4		
Manganese	0.60	mg/l	0.0050	11/15/05 17:53	ALV	7439-96-5		
Potassium	ND	mg/l	1.0	11/15/05 17:53	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 17:53	ALV	7782-49-2		
Sodium	11.	mg/l	1.0	11/15/05 17:53	ALV	7440-23-5		
Strontium	0.074	mg/l	0.0050	11/15/05 17:53	ALV	7440-24-6		
Date Digested	11/11/05 11:45		11/11/05 11:45					

Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	6.1	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	1.0	mg/l	0.10	11/09/05 23:59	CD1			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	25.	mg/l	5.0	11/11/05 13:13	TMR			

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320185 Project Sample Number: 92107081-006 Date Collected: 11/08/05 18:00
Client Sample ID: 110 Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic	ND	mg/l	0.0050	11/15/05 17:57	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 17:57	ALV	7440-43-9		
Calcium	35.	mg/l	0.10	11/15/05 17:57	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 17:57	ALV	7440-47-3		
Iron	0.79	mg/l	0.050	11/15/05 17:57	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 17:57	ALV	7439-92-1		
Magnesium	12.	mg/l	0.10	11/15/05 17:57	ALV	7439-95-4		
Manganese	0.075	mg/l	0.0050	11/15/05 17:57	ALV	7439-96-5		
Potassium	4.1	mg/l	1.0	11/15/05 17:57	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 17:57	ALV	7782-49-2		
Sodium	3.0	mg/l	1.0	11/15/05 17:57	ALV	7440-23-5		
Strontium	0.088	mg/l	0.0050	11/15/05 17:57	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	ND	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 23:59	CD1			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/11/05 13:13	TMR			

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Fax: 828.252.4618

Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320193 Project Sample Number: 92107081-007 Date Collected: 11/08/05 18:00
Client Sample ID: 110-FILTERED Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:18	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:18	ALV	7440-43-9		
Calcium, Dissolved	35.	mg/l	0.10	11/16/05 21:18	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:18	ALV	7440-47-3		
Iron, Dissolved	1.0	mg/l	0.050	11/16/05 21:18	ALV	7439-89-6		
Lead, Dissolved	0.0050	mg/l	0.0050	11/16/05 21:18	ALV	7439-92-1		
Magnesium, Dissolved	10.	mg/l	0.10	11/16/05 21:18	ALV	7439-95-4		
Manganese, Dissolved	0.082	mg/l	0.0050	11/16/05 21:18	ALV	7439-96-5		
Potassium, Dissolved	4.4	mg/l	1.0	11/16/05 21:18	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:18	ALV	7782-49-2		
Sodium, Dissolved	12.	mg/l	1.0	11/16/05 21:18	ALV	7440-23-5		
Strontium, Dissolved	0.091	mg/l	0.0050	11/16/05 21:18	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	ND	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 23:59	CD1			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/11/05 13:13	TMR			

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142503 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926320078 926320177 926320185

METHOD BLANK: 926330978
Associated Lab Samples: 926320078 926320177 926320185

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926330986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0027	107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331000 926331018

Parameter	Units	926315375 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0	0.0025	0.0027	0.0026	108	106	2	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142505 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, Dissolved by CVAAS
Associated Lab Samples: 926320144 926320151 926320169 926320193

METHOD BLANK: 926331067
Associated Lab Samples: 926320144 926320151 926320169 926320193

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Mercury, Dissolved	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926331075

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Mercury, Dissolved	mg/l	0.0025	0.0028	111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331083 926331091

Parameter	Units	9263313537	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Mercury, Dissolved	mg/l	0	0.0025	0.0022	0.0023	88	91	4	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142367 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Dissolved Metals, Trace ICP
Associated Lab Samples: 926320144 926320151 926320169 926320193

METHOD BLANK: 926325895
Associated Lab Samples: 926320144 926320151 926320169 926320193

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Arsenic, Dissolved	mg/l	ND	0.0050	
Cadmium, Dissolved	mg/l	ND	0.0010	
Calcium, Dissolved	mg/l	ND	0.10	
Chromium, Dissolved	mg/l	ND	0.0020	
Iron, Dissolved	mg/l	ND	0.050	
Lead, Dissolved	mg/l	ND	0.0050	
Magnesium, Dissolved	mg/l	ND	0.10	
Manganese, Dissolved	mg/l	ND	0.0050	
Potassium, Dissolved	mg/l	ND	1.0	
Selenium, Dissolved	mg/l	ND	0.0050	
Sodium, Dissolved	mg/l	ND	1.0	
Strontium, Dissolved	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926325903

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Arsenic, Dissolved	mg/l	0.5000	0.5160	103	
Cadmium, Dissolved	mg/l	0.5000	0.5120	102	
Calcium, Dissolved	mg/l	20.00	20.30	102	
Chromium, Dissolved	mg/l	0.5000	0.5180	104	
Iron, Dissolved	mg/l	20.00	20.20	101	
Lead, Dissolved	mg/l	0.5000	0.5170	103	
Magnesium, Dissolved	mg/l	20.00	20.40	102	
Manganese, Dissolved	mg/l	0.5000	0.5200	104	
Potassium, Dissolved	mg/l	10.00	10.80	108	
Selenium, Dissolved	mg/l	0.5000	0.5150	103	
Sodium, Dissolved	mg/l	10.00	10.60	106	
Strontium, Dissolved	mg/l	0.5000	0.5170	103	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926325911 926325929

Parameter	Units	926307604	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Arsenic, Dissolved	mg/l	0	0.5000	0.5410	0.5000	108	100	8	
Cadmium, Dissolved	mg/l	0	0.5000	0.5290	0.4890	106	98	8	
Calcium, Dissolved	mg/l	10.70	20.00	26.00	30.90	76	101	17	
Chromium, Dissolved	mg/l	0.00002	0.5000	0.5380	0.4950	108	99	8	
Iron, Dissolved	mg/l	1.660	20.00	17.20	21.60	78	100	23	1
Lead, Dissolved	mg/l	0.00998	0.5000	0.5420	0.5050	106	99	7	
Magnesium, Dissolved	mg/l	5.200	20.00	20.80	25.50	78	102	20	
Manganese, Dissolved	mg/l	2.240	0.5000	2.680	2.760	88	104	3	
Potassium, Dissolved	mg/l	6.340	10.00	15.80	19.00	95	127	18	2
Selenium, Dissolved	mg/l	0	0.5000	0.5330	0.4960	107	99	7	
Sodium, Dissolved	mg/l	15.20	10.00	26.10	30.50	109	153	16	2
Strontium, Dissolved	mg/l	0.07870	0.5000	0.6150	0.5760	107	100	7	

SAMPLE DUPLICATE: 926325937

Parameter	Units	926307612	DUP	RPD	Footnotes
		Result	Result		
Arsenic, Dissolved	mg/l	ND	ND	NC	
Cadmium, Dissolved	mg/l	ND	ND	NC	
Calcium, Dissolved	mg/l	4.800	4.800	1	
Chromium, Dissolved	mg/l	ND	ND	NC	
Iron, Dissolved	mg/l	0.9000	0.8900	1	
Lead, Dissolved	mg/l	0.00570	0.00590	4	
Magnesium, Dissolved	mg/l	2.600	2.500	1	
Manganese, Dissolved	mg/l	0.4500	0.4500	1	
Potassium, Dissolved	mg/l	2.700	2.600	3	
Selenium, Dissolved	mg/l	ND	ND	NC	
Sodium, Dissolved	mg/l	12.00	11.00	4	
Strontium, Dissolved	mg/l	0.03300	0.03200	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142509 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Metals by Trace ICP
Associated Lab Samples: 926320078 926320177 926320185

METHOD BLANK: 926331232
Associated Lab Samples: 926320078 926320177 926320185

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0010	
Calcium	mg/l	ND	0.10	
Chromium	mg/l	ND	0.0020	
Iron	mg/l	ND	0.050	
Lead	mg/l	ND	0.0050	
Magnesium	mg/l	ND	0.10	
Manganese	mg/l	ND	0.0050	
Potassium	mg/l	ND	1.0	
Selenium	mg/l	ND	0.0050	
Sodium	mg/l	ND	1.0	
Strontium	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926331240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Aluminum	mg/l	20.00	20.00	100	
Arsenic	mg/l	0.5000	0.4820	96	
Cadmium	mg/l	0.5000	0.4830	97	
Calcium	mg/l	20.00	19.40	97	
Chromium	mg/l	0.5000	0.4850	97	
Iron	mg/l	20.00	19.30	96	
Lead	mg/l	0.5000	0.4850	97	
Magnesium	mg/l	20.00	19.60	98	
Manganese	mg/l	0.5000	0.4890	98	
Potassium	mg/l	10.00	10.50	105	
Selenium	mg/l	0.5000	0.4870	97	
Sodium	mg/l	10.00	10.48	105	
Strontium	mg/l	0.5000	0.4830	97	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331257 926331265

Parameter	Units	926315375	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Aluminum	mg/l	0.1210	20.00	20.00	20.30	99	101	1	
Arsenic	mg/l	0	0.5000	0.4770	0.4870	95	97	2	
Cadmium	mg/l	0	0.5000	0.4690	0.4790	94	96	2	
Calcium	mg/l	6.790	20.00	25.30	25.60	93	94	1	
Chromium	mg/l	0	0.5000	0.4780	0.4870	96	97	2	
Iron	mg/l	45.20	20.00	61.00	62.80	79	88	3	2
Lead	mg/l	0	0.5000	0.4790	0.4860	96	97	1	
Magnesium	mg/l	1.570	20.00	20.60	21.00	95	97	2	
Manganese	mg/l	3.390	0.5000	3.640	3.720	50	66	2	2,2
Potassium	mg/l	3.980	10.00	15.20	15.50	112	115	2	
Selenium	mg/l	0.00867	0.5000	0.4840	0.4970	95	98	3	
Sodium	mg/l	6.159	10.00	16.53	16.94	104	108	2	
Strontium	mg/l	0.02090	0.5000	0.5000	0.5070	96	97	1	

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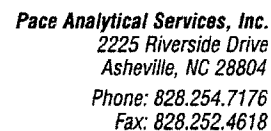
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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142465 Analysis Method: EPA 365.2
QC Batch Method: EPA 365.2 Analysis Description: Phosphorus, Total
Associated Lab Samples: 926320078 926320144 926320151 926320177 926320193

METHOD BLANK: 926328972
Associated Lab Samples: 926320078 926320144 926320151 926320177 926320193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Phosphorus	mg/l	ND	0.100	

LABORATORY CONTROL SAMPLE: 926328980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Phosphorus	mg/l	1.000	0.9460	95	

MATRIX SPIKE: 926329590

Parameter	Units	926318072 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Phosphorus	mg/l	0.3260	1.000	2.204	188	2

SAMPLE DUPLICATE: 926329103

Parameter	Units	926315409 Result	DUP Result	RPD	Footnotes
Phosphorus	mg/l	2.040	1.740	16	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142546 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926320078 926320144

METHOD BLANK: 926333089
Associated Lab Samples: 926320078 926320144

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926333097

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloride	mg/l	20.00	20.04	100	

MATRIX SPIKE: 926333105

Parameter	Units	926331901 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloride	mg/l	12.15	20.00	31.78	98	

SAMPLE DUPLICATE: 926333113

Parameter	Units	926331919 Result	DUP Result	RPD	Footnotes
Chloride	mg/l	10.00	10.00	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142547 Analysis Method: EPA 375.4
QC Batch Method: EPA 375.4 Analysis Description: Sulfate, Turbidimetric
Associated Lab Samples: 926320144 926320151 926320177 926320185 926320193

METHOD BLANK: 926333121
Associated Lab Samples: 926320144 926320151 926320177 926320185 926320193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Sulfate	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926333139

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Sulfate	mg/l	20.00	19.89	99	

MATRIX SPIKE: 926333147

Parameter	Units	926331901 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Sulfate	mg/l	45.52	20.00	64.69	96	

SAMPLE DUPLICATE: 926333154

Parameter	Units	926331919 Result	DUP Result	RPD	Footnotes
Sulfate	mg/l	36.00	37.00	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142616 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926320151 926320177 926320185 926320193

METHOD BLANK: 926337106
Associated Lab Samples: 926320151 926320177 926320185 926320193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926337114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloride	mg/l	20.00	20.32	102	

MATRIX SPIKE: 926337122

Parameter	Units	926320151 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloride	mg/l	5.645	20.00	26.51	104	

SAMPLE DUPLICATE: 926337130

Parameter	Units	926320177 Result	DUP Result	RPD	Footnotes
Chloride	mg/l	6.100	5.900	2	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142617 Analysis Method: EPA 375.4
QC Batch Method: EPA 375.4 Analysis Description: Sulfate, Turbidimetric
Associated Lab Samples: 926320078

METHOD BLANK: 926337148
Associated Lab Samples: 926320078

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Sulfate	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926337155

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Sulfate	mg/l	20.00	18.54	93	

MATRIX SPIKE: 926337163

Parameter	Units	926320078	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Sulfate	mg/l	33.53	20.00	49.65	81	

SAMPLE DUPLICATE: 926337171

Parameter	Units	926324989	DUP	RPD	Footnotes
		Result	Result		
Sulfate	mg/l	68.00	70.00	3	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142958 Analysis Method: EPA 365.2
QC Batch Method: EPA 365.2 Analysis Description: Phosphorus, Total
Associated Lab Samples: 926320185

METHOD BLANK: 926352303
Associated Lab Samples: 926320185

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Phosphorus	mg/l	ND	0.100	

LABORATORY CONTROL SAMPLE: 926352311

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Phosphorus	mg/l	1.000	1.015	102	

MATRIX SPIKE: 926352329

Parameter	Units	926342882	Spike	MS	MS	Footnotes
		Result	Conc.	Result	% Rec	
Phosphorus	mg/l	7.967	1.000	8.829	86	

SAMPLE DUPLICATE: 926352337

Parameter	Units	926342890	DUP	RPD	Footnotes
		Result	Result		
Phosphorus	mg/l	5.270	5.330	1	

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] The calculated RPD was outside QC acceptance limits.
[2] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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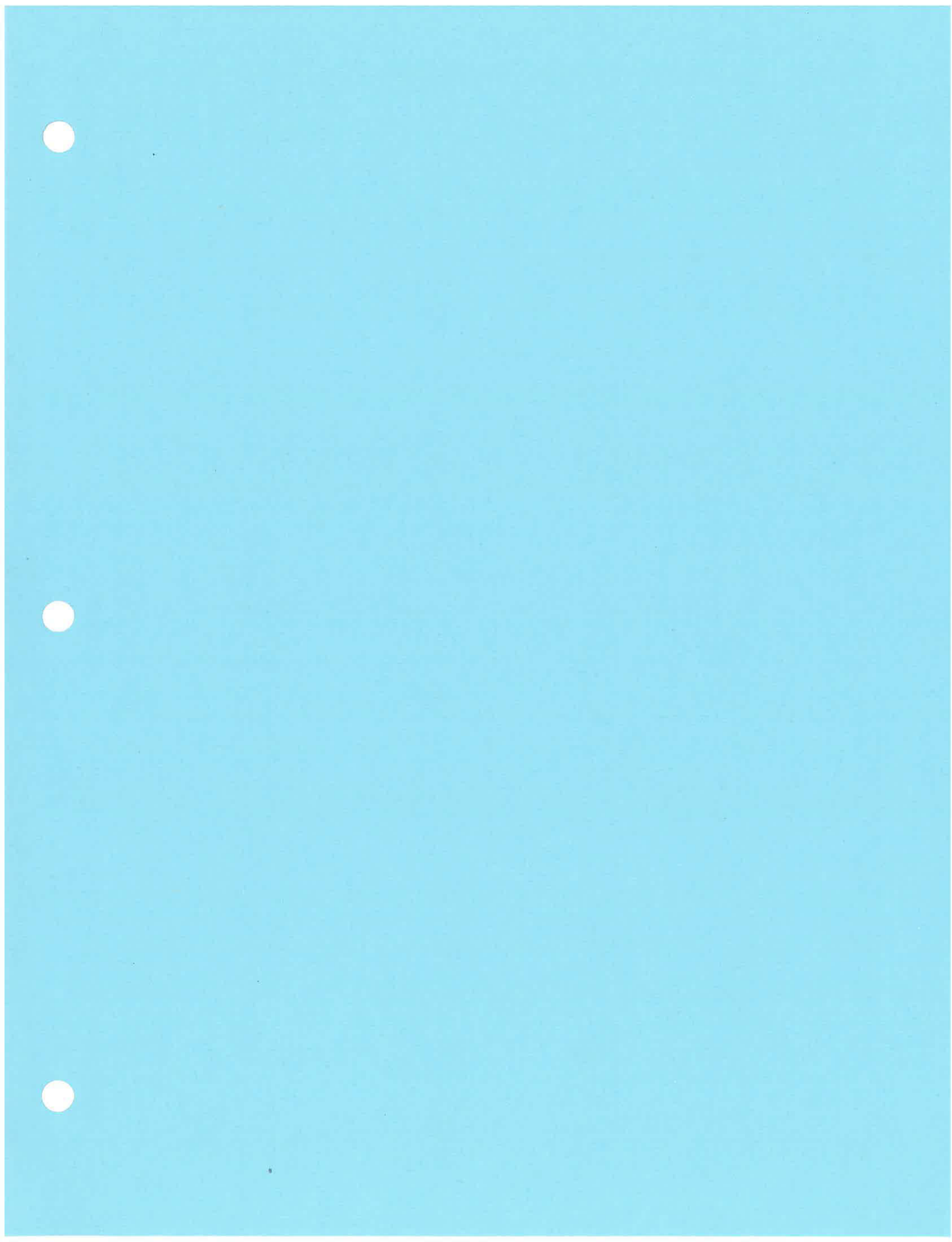
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

January 05, 2006

Mr. Rick Hagendorfer
RDH Environmental
5720 Dove Drive
Pace, FL 32571

RE: Lab Project Number: 92107214
Client Project ID: Plant Scholz

Dear Mr. Hagendorfer:

Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Richard Swartz
Richard.Swartz@pacelabs.com
Project Manager

Enclosures

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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326711 Project Sample Number: 92107214-001 Date Collected: 11/09/05 09:55
Client Sample ID: 203S Matrix: Water Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Aluminum	ND	mg/l	0.10	11/15/05 18:01	ALV	7429-90-5		
Arsenic	ND	mg/l	0.0050	11/15/05 18:01	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 18:01	ALV	7440-43-9		
Calcium	40.	mg/l	0.10	11/15/05 18:01	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 18:01	ALV	7440-47-3		
Iron	34.	mg/l	0.050	11/15/05 18:01	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 18:01	ALV	7439-92-1		
Magnesium	13.	mg/l	0.10	11/15/05 18:01	ALV	7439-95-4		
Manganese	3.5	mg/l	0.0050	11/15/05 18:01	ALV	7439-96-5		
Potassium	1.1	mg/l	1.0	11/15/05 18:01	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 18:01	ALV	7782-49-2		
Sodium	16.	mg/l	1.0	11/15/05 18:01	ALV	7440-23-5		
Strontium	0.18	mg/l	0.0050	11/15/05 18:01	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	5.4	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/11/05 00:50	ARR			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	16.	mg/l	5.0	11/14/05 11:00	BMF			

Date: 01/05/06

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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326729 Project Sample Number: 92107214-002 Date Collected: 11/09/05 14:55
Client Sample ID: 205MD Matrix: Water Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Aluminum	ND	mg/l	0.10	11/15/05 18:05	ALV	7429-90-5		
Arsenic	ND	mg/l	0.0050	11/15/05 18:05	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 18:05	ALV	7440-43-9		
Calcium	20.	mg/l	0.10	11/15/05 18:05	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 18:05	ALV	7440-47-3		
Iron	ND	mg/l	0.050	11/15/05 18:05	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 18:05	ALV	7439-92-1		
Magnesium	12.	mg/l	0.10	11/15/05 18:05	ALV	7439-95-4		
Manganese	ND	mg/l	0.0050	11/15/05 18:05	ALV	7439-96-5		
Potassium	1.6	mg/l	1.0	11/15/05 18:05	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 18:05	ALV	7782-49-2		
Sodium	2.3	mg/l	1.0	11/15/05 18:05	ALV	7440-23-5		
Strontium	0.067	mg/l	0.0050	11/15/05 18:05	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		
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Wet Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	ND	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	1.9	mg/l	0.10	11/11/05 00:50	ARH			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	ND	mg/l	5.0	11/14/05 11:00	BMF			
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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326737 Project Sample Number: 92107214-003 Date Collected: 11/09/05 16:55
Client Sample ID: 205S Matrix: Water Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Aluminum	ND	mg/l	0.10	11/15/05 18:09	ALV	7429-90-5		
Arsenic	ND	mg/l	0.0050	11/15/05 18:09	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 18:09	ALV	7440-43-9		
Calcium	1.0	mg/l	0.10	11/15/05 18:09	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 18:09	ALV	7440-47-3		
Iron	ND	mg/l	0.050	11/15/05 18:09	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 18:09	ALV	7439-92-1		
Magnesium	0.98	mg/l	0.10	11/15/05 18:09	ALV	7439-95-4		
Manganese	ND	mg/l	0.0050	11/15/05 18:09	ALV	7439-96-5		
Potassium	ND	mg/l	1.0	11/15/05 18:09	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 18:09	ALV	7782-49-2		
Sodium	3.4	mg/l	1.0	11/15/05 18:09	ALV	7440-23-5		
Strontium	0.0056	mg/l	0.0050	11/15/05 18:09	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/14/05 09:29	ALV	7439-97-6		
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Wet Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	7.1	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	ND	mg/l	0.10	11/11/05 00:50	ARH			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	ND	mg/l	5.0	11/14/05 11:00	BMF			
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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326745 Project Sample Number: 92107214-004 Date Collected: 11/09/05 09:55
Client Sample ID: 203S-FILTERED Matrix: Water Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/20/05 23:56	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/20/05 23:56	ALV	7440-43-9		
Calcium, Dissolved	30.	mg/l	0.10	11/20/05 23:56	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/20/05 23:56	ALV	7440-47-3		
Iron, Dissolved	32.	mg/l	0.050	11/20/05 23:56	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/20/05 23:56	ALV	7439-92-1		
Magnesium, Dissolved	9.4	mg/l	0.10	11/20/05 23:56	ALV	7439-95-4		
Manganese, Dissolved	2.7	mg/l	0.0050	11/20/05 23:56	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/20/05 23:56	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/20/05 23:56	ALV	7782-49-2		
Sodium, Dissolved	10.	mg/l	1.0	11/20/05 23:56	ALV	7440-23-5		
Strontium, Dissolved	0.14	mg/l	0.0050	11/20/05 23:56	ALV	7440-24-6		
Date Digested	11/15/05 08:00			11/15/05 08:00				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	5.3	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/11/05 00:50	ARH			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	16.	mg/l	5.0	11/14/05 11:00	BMF			

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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326752 Project Sample Number: 92107214-005 Date Collected: 11/09/05 14:55
Client Sample ID: 205MD-FILTERED Matrix: Water Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic, Dissolved	0.035	mg/l	0.0050	11/21/05	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/21/05	ALV	7440-43-9		
Calcium, Dissolved	14.	mg/l	0.10	11/21/05	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/21/05	ALV	7440-47-3		
Iron, Dissolved	3.9	mg/l	0.050	11/21/05	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/21/05	ALV	7439-92-1		
Magnesium, Dissolved	9.0	mg/l	0.10	11/21/05	ALV	7439-95-4		
Manganese, Dissolved	0.042	mg/l	0.0050	11/21/05	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/21/05	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/21/05	ALV	7782-49-2		
Sodium, Dissolved	1.3	mg/l	1.0	11/21/05	ALV	7440-23-5		
Strontium, Dissolved	0.049	mg/l	0.0050	11/21/05	ALV	7440-24-6		
Date Digested	11/15/05 08:00		11/15/05 08:00					

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	ND	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	1.9	mg/l	0.10	11/11/05 00:50	ARH			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/14/05 11:00	BMF			

Date: 01/05/06

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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326760 Project Sample Number: 92107214-006 Date Collected: 11/09/05 16:55
Client Sample ID: 205S-FILTERED Matrix: Water Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/21/05 00:04	ALV	7440-43-9		
Calcium, Dissolved	0.85	mg/l	0.10	11/21/05 00:04	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/21/05 00:04	ALV	7440-47-3		
Iron, Dissolved	ND	mg/l	0.050	11/21/05 00:04	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7439-92-1		
Magnesium, Dissolved	0.74	mg/l	0.10	11/21/05 00:04	ALV	7439-95-4		
Manganese, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/21/05 00:04	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7782-49-2		
Sodium, Dissolved	2.0	mg/l	1.0	11/21/05 00:04	ALV	7440-23-5		
Strontium, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7440-24-6		
Date Digested	11/15/05 08:00			11/15/05 08:00				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	6.9	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/11/05 00:50	ARH			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/14/05 11:00	BMF			

Date: 01/05/06

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Lab Project Number: 92107214
Client Project ID: Plant Scholz

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit

Date: 01/05/06

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Asheville Certification IDs
NC Wastewater 40
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SC Environmental 99030
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REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142503 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926326711 926326729

METHOD BLANK: 926330978
Associated Lab Samples: 926326711 926326729

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926330986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0027	107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331000 926331018

Parameter	Units	926315375 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0	0.0025	0.0027	0.0026	108	106	2	

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142505 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, Dissolved by CVAAS
Associated Lab Samples: 926326745 926326752 926326760

METHOD BLANK: 926331067
Associated Lab Samples: 926326745 926326752 926326760

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Mercury, Dissolved	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926331075

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Mercury, Dissolved	mg/l	0.0025	0.0028	111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331083 926331091

Parameter	Units	9263313537	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Mercury, Dissolved	mg/l	0	0.0025	0.0022	0.0023	88	91	4	

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142609 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926326737

METHOD BLANK: 926336835
Associated Lab Samples: 926326737

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926336843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0026	105	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926337072 926337080

Parameter	Units	926332495 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0.00005	0.0025	0.0026	0.0028	103	109	5	

QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142509 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Metals by Trace ICP
Associated Lab Samples: 926326711 926326729 926326737

METHOD BLANK: 926331232
Associated Lab Samples: 926326711 926326729 926326737

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Arsenic	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0010	
Calcium	mg/l	ND	0.10	
Chromium	mg/l	ND	0.0020	
Iron	mg/l	ND	0.050	
Lead	mg/l	ND	0.0050	
Magnesium	mg/l	ND	0.10	
Manganese	mg/l	ND	0.0050	
Potassium	mg/l	ND	1.0	
Selenium	mg/l	ND	0.0050	
Sodium	mg/l	ND	1.0	
Strontium	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926331240

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Aluminum	mg/l	20.00	20.00	100	
Arsenic	mg/l	0.5000	0.4820	96	
Cadmium	mg/l	0.5000	0.4830	97	
Calcium	mg/l	20.00	19.40	97	
Chromium	mg/l	0.5000	0.4850	97	
Iron	mg/l	20.00	19.30	96	
Lead	mg/l	0.5000	0.4850	97	
Magnesium	mg/l	20.00	19.60	98	
Manganese	mg/l	0.5000	0.4890	98	
Potassium	mg/l	10.00	10.50	105	
Selenium	mg/l	0.5000	0.4870	97	
Sodium	mg/l	10.00	10.48	105	
Strontium	mg/l	0.5000	0.4830	97	

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331257 926331265

Parameter	Units	926315375	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Aluminum	mg/l	0.1210	20.00	20.00	20.30	99	101	1	
Arsenic	mg/l	0	0.5000	0.4770	0.4870	95	97	2	
Cadmium	mg/l	0	0.5000	0.4690	0.4790	94	96	2	
Calcium	mg/l	6.790	20.00	25.30	25.60	93	94	1	
Chromium	mg/l	0	0.5000	0.4780	0.4870	96	97	2	
Iron	mg/l	45.20	20.00	61.00	62.80	79	88	3	1
Lead	mg/l	0	0.5000	0.4790	0.4860	96	97	1	
Magnesium	mg/l	1.570	20.00	20.60	21.00	95	97	2	
Manganese	mg/l	3.390	0.5000	3.640	3.720	50	66	2	1,1
Potassium	mg/l	3.980	10.00	15.20	15.50	112	115	2	
Selenium	mg/l	0.00867	0.5000	0.4840	0.4970	95	98	3	
Sodium	mg/l	6.159	10.00	16.53	16.94	104	108	2	
Strontium	mg/l	0.02090	0.5000	0.5000	0.5070	96	97	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142732 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Dissolved Metals, Trace ICP
Associated Lab Samples: 926326745 926326752 926326760

METHOD BLANK: 926340373
Associated Lab Samples: 926326745 926326752 926326760

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Arsenic, Dissolved	mg/l	ND	0.0050	
Cadmium, Dissolved	mg/l	ND	0.0010	
Calcium, Dissolved	mg/l	ND	0.10	
Chromium, Dissolved	mg/l	ND	0.0020	
Iron, Dissolved	mg/l	ND	0.050	
Lead, Dissolved	mg/l	ND	0.0050	
Magnesium, Dissolved	mg/l	ND	0.10	
Manganese, Dissolved	mg/l	ND	0.0050	
Potassium, Dissolved	mg/l	ND	1.0	
Selenium, Dissolved	mg/l	ND	0.0050	
Sodium, Dissolved	mg/l	ND	1.0	
Strontium, Dissolved	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926340381

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Arsenic, Dissolved	mg/l	0.5000	0.4630	93	
Cadmium, Dissolved	mg/l	0.5000	0.4670	93	
Calcium, Dissolved	mg/l	20.00	18.40	92	
Chromium, Dissolved	mg/l	0.5000	0.4690	94	
Iron, Dissolved	mg/l	20.00	18.40	92	
Lead, Dissolved	mg/l	0.5000	0.4530	91	
Magnesium, Dissolved	mg/l	20.00	18.10	90	
Manganese, Dissolved	mg/l	0.5000	0.4720	94	
Potassium, Dissolved	mg/l	10.00	9.240	92	
Selenium, Dissolved	mg/l	0.5000	0.4560	91	
Sodium, Dissolved	mg/l	10.00	8.981	90	
Strontium, Dissolved	mg/l	0.5000	0.4700	94	

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926340399 926340407

Parameter	Units	926326745	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Arsenic, Dissolved	mg/l	0.00308	0.5000	0.4770	0.4780	95	95	0	
Cadmium, Dissolved	mg/l	0	0.5000	0.4700	0.4600	94	92	2	
Calcium, Dissolved	mg/l	30.00	20.00	46.40	46.10	82	80	1	
Chromium, Dissolved	mg/l	0.00109	0.5000	0.4760	0.4660	95	93	2	
Iron, Dissolved	mg/l	32.30	20.00	37.60	39.90	26	38	6	1,1
Lead, Dissolved	mg/l	0	0.5000	0.4630	0.4540	93	91	2	
Magnesium, Dissolved	mg/l	9.370	20.00	27.10	26.80	89	87	1	
Manganese, Dissolved	mg/l	2.730	0.5000	2.950	2.960	44	46	0	1,1
Potassium, Dissolved	mg/l	0.9030	10.00	11.10	10.80	102	99	3	
Selenium, Dissolved	mg/l	0.00431	0.5000	0.4690	0.4630	93	92	1	
Sodium, Dissolved	mg/l	10.15	10.00	20.42	19.76	103	96	3	
Strontium, Dissolved	mg/l	0.1370	0.5000	0.5990	0.5910	92	91	1	

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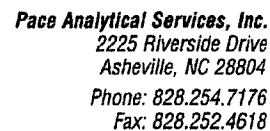
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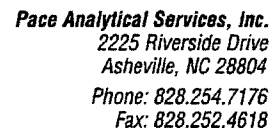
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Lab Project Number: 92107214
Client Project ID: Plant Scholz

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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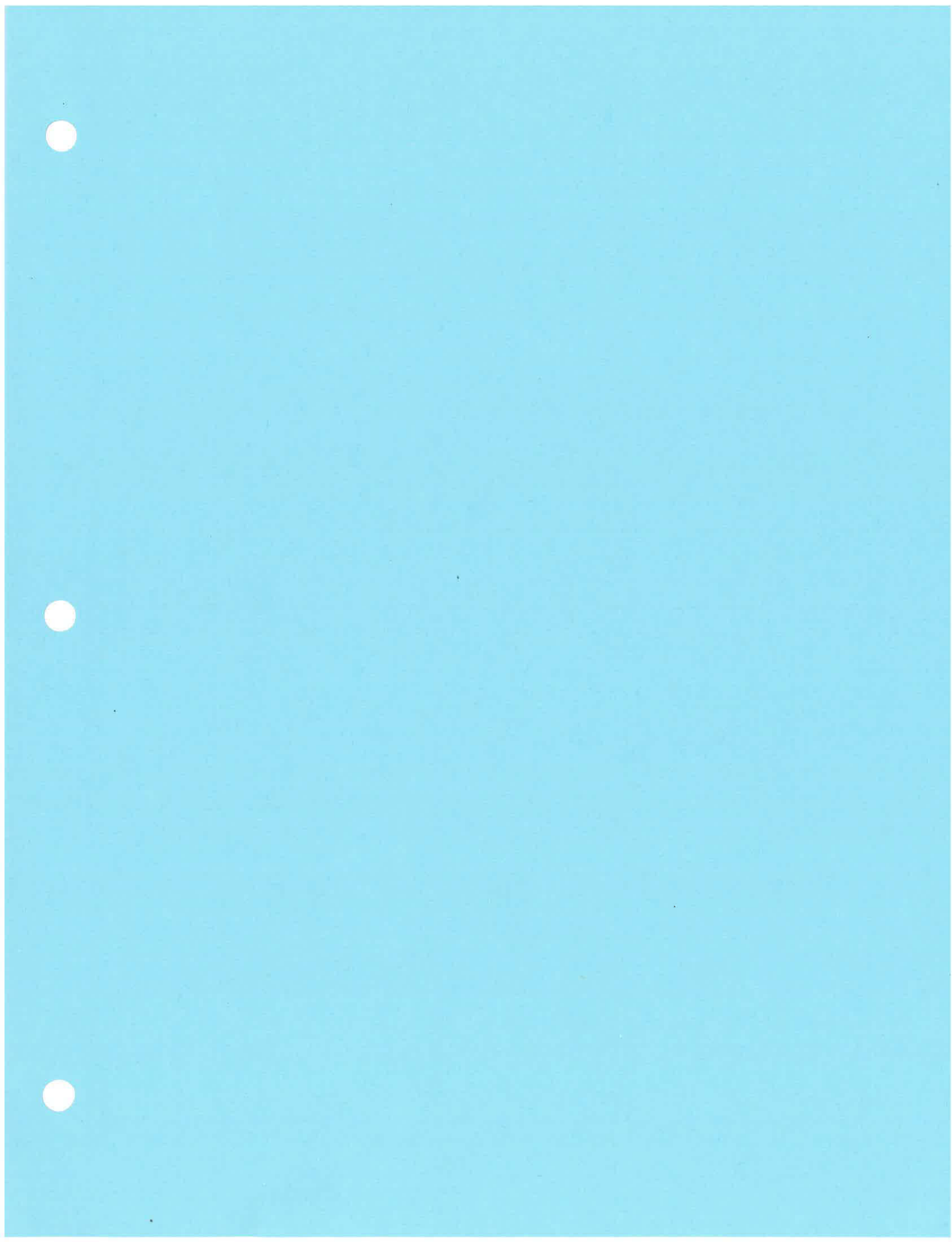
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Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

November 21, 2005

Mr. Rick Hagendorfer
RDH Environmental
5720 Dove Drive
Pace, FL 32571

RE: Lab Project Number: 92107341
Client Project ID: Plant Scholz

Dear Mr. Hagendorfer:

Enclosed are the analytical results for sample(s) received by the laboratory on November 11, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Richard Swartz
Richard.Swartz@pacelabs.com
Project Manager

Enclosures

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Lab Project Number: 92107341
Client Project ID: Plant Scholz

Lab Sample No: 926332503 Project Sample Number: 92107341-001 Date Collected: 11/10/05 09:40
Client Sample ID: ASH POND Matrix: Water Date Received: 11/11/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic	0.086	mg/l	0.0050	11/17/05 13:55	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/17/05 13:55	ALV	7440-43-9		
Calcium	64.	mg/l	0.10	11/17/05 13:55	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/17/05 13:55	ALV	7440-47-3		
Iron	0.072	mg/l	0.050	11/17/05 13:55	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/17/05 13:55	ALV	7439-92-1		
Magnesium	7.2	mg/l	0.10	11/17/05 13:55	ALV	7439-95-4		
Manganese	0.085	mg/l	0.0050	11/17/05 13:55	ALV	7439-96-5		
Potassium	9.9	mg/l	1.0	11/17/05 13:55	ALV	7440-09-7		
Selenium	0.022	mg/l	0.0050	11/17/05 13:55	ALV	7782-49-2		
Sodium	11.	mg/l	1.0	11/17/05 13:55	ALV	7440-23-5		
Strontium	1.0	mg/l	0.0050	11/17/05 13:55	ALV	7440-24-6		
Date Digested	11/14/05 11:15			11/14/05 11:15				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/14/05 09:29	ALV	7439-97-6
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Wet Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	9.3	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	ND	mg/l	0.10	11/12/05 08:16	ARH	
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	160	mg/l	25.	11/14/05 11:00	BMF	
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Date: 11/21/05

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Asheville Certification IDs
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Lab Project Number: 92107341
Client Project ID: Plant Scholz

Lab Sample No: 926332511 Project Sample Number: 92107341-002 Date Collected: 11/10/05 09:40
Client Sample ID: ASH POND-FILTERED Matrix: Water Date Received: 11/11/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic, Dissolved	0.065	mg/l	0.0050	11/21/05 00:08	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/21/05 00:08	ALV	7440-43-9		
Calcium, Dissolved	51.	mg/l	0.10	11/21/05 00:08	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/21/05 00:08	ALV	7440-47-3		
Iron, Dissolved	0.16	mg/l	0.050	11/21/05 00:08	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/21/05 00:08	ALV	7439-92-1		
Magnesium, Dissolved	5.6	mg/l	0.10	11/21/05 00:08	ALV	7439-95-4		
Manganese, Dissolved	0.061	mg/l	0.0050	11/21/05 00:08	ALV	7439-96-5		
Potassium, Dissolved	7.2	mg/l	1.0	11/21/05 00:08	ALV	7440-09-7		
Selenium, Dissolved	0.016	mg/l	0.0050	11/21/05 00:08	ALV	7782-49-2		
Sodium, Dissolved	8.1	mg/l	1.0	11/21/05 00:08	ALV	7440-23-5		
Strontium, Dissolved	0.85	mg/l	0.0050	11/21/05 00:08	ALV	7440-24-6		
Date Digested	11/15/05 08:00			11/15/05 08:00				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	0.00071	mg/l	0.00020	11/18/05 13:52	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	8.9	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/12/05 08:16	ARE			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	160	mg/l	25.	11/14/05 11:00	BMF			

Date: 11/21/05

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Lab Project Number: 92107341
Client Project ID: Plant Scholz

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit

Date: 11/21/05

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142609 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926332503

METHOD BLANK: 926336835
Associated Lab Samples: 926332503

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926336843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0026	105	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926337072 926337080

Parameter	Units	926332495 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0.00005	0.0025	0.0026	0.0028	103	109	5	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 143122 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, Dissolved by CVAAS
Associated Lab Samples: 926332511

METHOD BLANK: 926359001
Associated Lab Samples: 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury, Dissolved	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926359019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury, Dissolved	mg/l	0.0025	0.0027	109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926359027 926359035

Parameter	Units	926332511 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury, Dissolved	mg/l	0.00071	0.0025	0.0025	0.0026	72	74	2	1,1

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142613 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Metals by Trace ICP
Associated Lab Samples: 926332503

METHOD BLANK: 926337023
Associated Lab Samples: 926332503

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Arsenic	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0010	
Calcium	mg/l	ND	0.10	
Chromium	mg/l	ND	0.0020	
Iron	mg/l	ND	0.050	
Lead	mg/l	ND	0.0050	
Magnesium	mg/l	ND	0.10	
Manganese	mg/l	ND	0.0050	
Potassium	mg/l	ND	1.0	
Selenium	mg/l	ND	0.0050	
Sodium	mg/l	ND	1.0	
Strontium	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926337031

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Arsenic	mg/l	0.5000	0.5200	104	
Cadmium	mg/l	0.5000	0.5140	103	
Calcium	mg/l	20.00	20.60	103	
Chromium	mg/l	0.5000	0.5190	104	
Iron	mg/l	20.00	20.50	103	
Lead	mg/l	0.5000	0.5200	104	
Magnesium	mg/l	20.00	20.70	104	
Manganese	mg/l	0.5000	0.5210	104	
Potassium	mg/l	10.00	11.30	113	
Selenium	mg/l	0.5000	0.5170	103	
Sodium	mg/l	10.00	10.50	105	
Strontium	mg/l	0.5000	0.5160	103	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926337049 926337056

Parameter	Units	926332651	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Arsenic	mg/l	0.08310	0.5000	0.6070	0.6270	105	109	3	
Cadmium	mg/l	0	0.5000	0.5050	0.5320	101	106	5	
Calcium	mg/l	18.30	20.00	37.50	39.00	96	104	4	
Chromium	mg/l	0.04390	0.5000	0.5560	0.5790	102	107	4	
Iron	mg/l	10.50	20.00	30.50	31.30	100	104	3	
Lead	mg/l	0.02280	0.5000	0.5320	0.5590	102	107	5	
Magnesium	mg/l	4.480	20.00	25.10	26.10	103	108	4	
Manganese	mg/l	0.09530	0.5000	0.6080	0.6310	102	107	4	
Potassium	mg/l	70.60	10.00	88.50	96.20	179	256	8	1,1
Selenium	mg/l	0.00026	0.5000	0.5190	0.5400	104	108	4	
Sodium	mg/l	11.80	10.00	26.10	27.40	143	156	5	1,1
Strontium	mg/l	0.09580	0.5000	0.6080	0.6320	102	107	4	

SAMPLE DUPLICATE: 926337064

Parameter	Units	926332495	DUP	RPD	Footnotes
		Result	Result		
Arsenic	mg/l	ND	ND	NC	
Cadmium	mg/l	ND	ND	NC	
Chromium	mg/l	ND	ND	NC	
Lead	mg/l	ND	ND	NC	
Selenium	mg/l	ND	ND	NC	
Calcium	mg/l		26.00	0	
Iron	mg/l		8.500	0	
Magnesium	mg/l		2.700	0	
Manganese	mg/l		0.06500	0	
Potassium	mg/l		1.700	0	
Sodium	mg/l		11.00	0	
Strontium	mg/l		0.1800	0	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142732
QC Batch Method: EPA 3010
Associated Lab Samples: 926332511

Analysis Method: EPA 6010
Analysis Description: Dissolved Metals, Trace ICP

METHOD BLANK: 926340373
Associated Lab Samples: 926332511

Parameter	Units	Blank	Reporting	Footnotes
		Result	Limit	
Arsenic, Dissolved	mg/l	ND	0.0050	
Cadmium, Dissolved	mg/l	ND	0.0010	
Calcium, Dissolved	mg/l	ND	0.10	
Chromium, Dissolved	mg/l	ND	0.0020	
Iron, Dissolved	mg/l	ND	0.050	
Lead, Dissolved	mg/l	ND	0.0050	
Magnesium, Dissolved	mg/l	ND	0.10	
Manganese, Dissolved	mg/l	ND	0.0050	
Potassium, Dissolved	mg/l	ND	1.0	
Selenium, Dissolved	mg/l	ND	0.0050	
Sodium, Dissolved	mg/l	ND	1.0	
Strontium, Dissolved	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926340381

Parameter	Units	Spike	LCS	LCS	Footnotes
		Conc.	Result	% Rec	
Arsenic, Dissolved	mg/l	0.5000	0.4630	93	
Cadmium, Dissolved	mg/l	0.5000	0.4670	93	
Calcium, Dissolved	mg/l	20.00	18.40	92	
Chromium, Dissolved	mg/l	0.5000	0.4690	94	
Iron, Dissolved	mg/l	20.00	18.40	92	
Lead, Dissolved	mg/l	0.5000	0.4530	91	
Magnesium, Dissolved	mg/l	20.00	18.10	90	
Manganese, Dissolved	mg/l	0.5000	0.4720	94	
Potassium, Dissolved	mg/l	10.00	9.240	92	
Selenium, Dissolved	mg/l	0.5000	0.4560	91	
Sodium, Dissolved	mg/l	10.00	8.981	90	
Strontium, Dissolved	mg/l	0.5000	0.4700	94	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926340399 926340407

Parameter	Units	926326745 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic, Dissolved	mg/l	0.00308	0.5000	0.4770	0.4780	95	95	0	
Cadmium, Dissolved	mg/l	0	0.5000	0.4700	0.4600	94	92	2	
Calcium, Dissolved	mg/l	30.00	20.00	46.40	46.10	82	80	1	
Chromium, Dissolved	mg/l	0.00109	0.5000	0.4760	0.4660	95	93	2	
Iron, Dissolved	mg/l	32.30	20.00	37.60	39.90	26	38	6	1,1
Lead, Dissolved	mg/l	0	0.5000	0.4630	0.4540	93	91	2	
Magnesium, Dissolved	mg/l	9.370	20.00	27.10	26.80	89	87	1	
Manganese, Dissolved	mg/l	2.730	0.5000	2.950	2.960	44	46	0	1,1
Potassium, Dissolved	mg/l	0.9030	10.00	11.10	10.80	102	99	3	
Selenium, Dissolved	mg/l	0.00431	0.5000	0.4690	0.4630	93	92	1	
Sodium, Dissolved	mg/l	10.15	10.00	20.42	19.76	103	96	3	
Strontium, Dissolved	mg/l	0.1370	0.5000	0.5990	0.5910	92	91	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142585 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 48 Hour NO3 / NO2 / NOX
Associated Lab Samples: 926332503 926332511

METHOD BLANK: 926335936
Associated Lab Samples: 926332503 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Nitrate as N	mg/l	ND	0.10	

LABORATORY CONTROL SAMPLE: 926335944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Nitrate as N	mg/l	5.000	5.180	104	

MATRIX SPIKE: 926335969

Parameter	Units	926332511 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Nitrate as N	mg/l	0.05000	5.000	5.580	111	

SAMPLE DUPLICATE: 926335951

Parameter	Units	926332503 Result	DUP Result	RPD	Footnotes
Nitrate as N	mg/l	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142592 Analysis Method: EPA 365.2
QC Batch Method: EPA 365.2 Analysis Description: Phosphorus, Total
Associated Lab Samples: 926332503 926332511

METHOD BLANK: 926336116
Associated Lab Samples: 926332503 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Phosphorus	mg/l	ND	0.100	

LABORATORY CONTROL SAMPLE: 926336124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Phosphorus	mg/l	1.000	1.086	109	

MATRIX SPIKE: 926336132

Parameter	Units	9263323205 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Phosphorus	mg/l	4.610	1.000	7.490	288	1

SAMPLE DUPLICATE: 926336140

Parameter	Units	926329665 Result	DUP Result	RPD	Footnotes
Phosphorus	mg/l	6.360	6.040	5	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142616 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926332503 926332511

METHOD BLANK: 926337106
Associated Lab Samples: 926332503 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926337114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloride	mg/l	20.00	20.32	102	

MATRIX SPIKE: 926337122

Parameter	Units	926320151 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloride	mg/l	5.645	20.00	26.51	104	

SAMPLE DUPLICATE: 926337130

Parameter	Units	926320177 Result	DUP Result	RPD	Footnotes
Chloride	mg/l	6.100	5.900	2	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142617 Analysis Method: EPA 375.4
QC Batch Method: EPA 375.4 Analysis Description: Sulfate, Turbidimetric
Associated Lab Samples: 926332503 926332511

METHOD BLANK: 926337148
Associated Lab Samples: 926332503 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Sulfate	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926337155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Sulfate	mg/l	20.00	18.54	93	

MATRIX SPIKE: 926337163

Parameter	Units	926320078 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Sulfate	mg/l	33.53	20.00	49.65	81	

SAMPLE DUPLICATE: 926337171

Parameter	Units	926324989 Result	DUP Result	RPD	Footnotes
Sulfate	mg/l	68.00	70.00	3	

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Lab Project Number: 92107341
Client Project ID: Plant Scholz

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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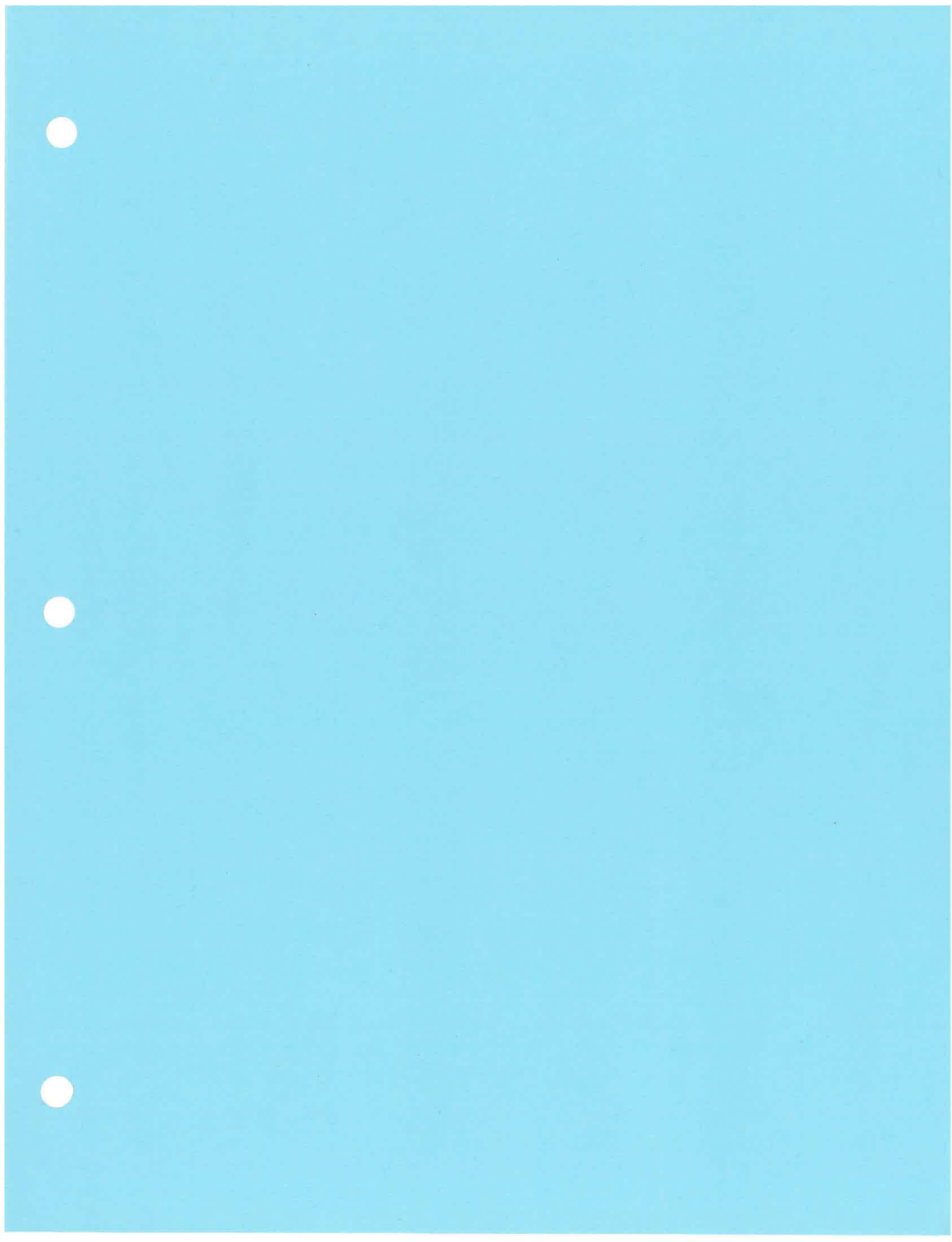
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Lab Project Number: 92106966
Client Project ID: Plant Scholz

Lab Sample No: 926313453
Client Sample ID: 210MD

Project Sample Number: 92106966-001
Matrix: Water
Date Collected: 11/07/05 11:20
Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic	ND	mg/l	0.0050	11/09/05 18:20	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/09/05 18:20	ALV	7440-43-9		
Calcium	360	mg/l	0.50	11/09/05 18:20	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/09/05 18:20	ALV	7440-47-3		
Iron	47.	mg/l	0.050	11/09/05 18:20	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/09/05 18:20	ALV	7439-92-1		
Magnesium	110	mg/l	0.10	11/09/05 18:20	ALV	7439-95-4		
Manganese	1.7	mg/l	0.0050	11/09/05 18:20	ALV	7439-96-5		
Potassium	2.8	mg/l	1.0	11/09/05 18:20	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/09/05 18:20	ALV	7782-49-2		
Sodium	33.	mg/l	5.0	11/09/05 18:20	ALV	7440-23-5		
Strontium	0.83	mg/l	0.0050	11/09/05 18:20	ALV	7440-24-6		
Date Digested	11/10/05 09:45			11/10/05 09:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		
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Wet Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	15.	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	ND	mg/l	0.10	11/09/05 09:16	EWS			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	1200	mg/l	5.0	11/09/05 11:30	BMF			
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Lab Project Number: 92106966
Client Project ID: Plant Scholz

Lab Sample No: 926313461
Client Sample ID: 204MD

Project Sample Number: 92106966-002
Matrix: Water
Date Collected: 11/07/05 15:50
Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic	ND	mg/l	0.0050	11/09/05 18:24	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/09/05 18:24	ALV	7440-43-9		
Calcium	28.	mg/l	0.10	11/09/05 18:24	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/09/05 18:24	ALV	7440-47-3		
Iron	ND	mg/l	0.050	11/09/05 18:24	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/09/05 18:24	ALV	7439-92-1		
Magnesium	15.	mg/l	0.10	11/09/05 18:24	ALV	7439-95-4		
Manganese	ND	mg/l	0.0050	11/09/05 18:24	ALV	7439-96-5		
Potassium	1.2	mg/l	1.0	11/09/05 18:24	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/09/05 18:24	ALV	7782-49-2		
Sodium	1.9	mg/l	1.0	11/09/05 18:24	ALV	7440-23-5		
Strontium	0.035	mg/l	0.0050	11/09/05 18:24	ALV	7440-24-6		
Date Digested	11/10/05 09:45			11/10/05 09:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		
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Wet Chemistry

Fluoride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	ND	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX Nitrate as N

Method: EPA 353.2

	1.6	mg/l	0.10	11/09/05 09:16	EWS			
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Phosphorus, Total Phosphorus

Method: EPA 365.2

	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
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Sulfate, Turbidimetric Sulfate

Method: EPA 375.4

	ND	mg/l	5.0	11/09/05 11:30	BMF			
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Date: 11/18/05

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Lab Project Number: 92106966
Client Project ID: Plant Scholz

Lab Sample No: 926313479 Project Sample Number: 92106966-003 Date Collected: 11/07/05 17:45
Client Sample ID: 204S Matrix: Water Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic	ND	mg/l	0.0050	11/09/05 18:28	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/09/05 18:28	ALV	7440-43-9		
Calcium	56.	mg/l	0.10	11/09/05 18:28	ALV	7440-70-2		
Chromium	0.0098	mg/l	0.0020	11/09/05 18:28	ALV	7440-47-3		
Iron	9.0	mg/l	0.050	11/09/05 18:28	ALV	7439-89-6		
Lead	0.0059	mg/l	0.0050	11/09/05 18:28	ALV	7439-92-1		
Magnesium	37.	mg/l	0.10	11/09/05 18:28	ALV	7439-95-4		
Manganese	0.51	mg/l	0.0050	11/09/05 18:28	ALV	7439-96-5		
Potassium	2.3	mg/l	1.0	11/09/05 18:28	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/09/05 18:28	ALV	7782-49-2		
Sodium	40.	mg/l	5.0	11/09/05 18:28	ALV	7440-23-5		
Strontium	0.43	mg/l	0.0050	11/09/05 18:28	ALV	7440-24-6		
Date Digested	11/10/05 09:45		11/10/05 09:45					

Mercury, CVAAS, in Water		Method: EPA 7470						
Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		

Water Chemistry

Fluoride (Mercuric Nitrate)		Method: EPA 325.2						
Chloride	8.0	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX		Method: EPA 353.2						
Nitrate as N	ND	mg/l	0.10	11/09/05 09:16	EWS			
Phosphorus, Total		Method: EPA 365.2						
Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
Sulfate, Turbidimetric		Method: EPA 375.4						
Sulfate	35.	mg/l	5.0	11/09/05 11:30	BMF			

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SC 99030
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NC Wastewater 12
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Lab Project Number: 92106966

Client Project ID: Plant Scholz

Lab Sample No: 926313537
Client Sample ID: 2045-FILTERD

Project Sample Number: 92106966-004
Matrix: Water

Date Collected: 11/07/05 17:45
Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
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Metals

Dissolved Metals, Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 20:52	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 20:52	ALV	7440-43-9		
Calcium, Dissolved	82.	mg/l	0.10	11/16/05 20:52	ALV	7440-70-2		
Chromium, Dissolved	0.0021	mg/l	0.0020	11/16/05 20:52	ALV	7440-47-3		
Iron, Dissolved	14.	mg/l	0.050	11/16/05 20:52	ALV	7439-89-6		
Lead, Dissolved	0.0066	mg/l	0.0050	11/16/05 20:52	ALV	7439-92-1		
Magnesium, Dissolved	12.	mg/l	0.10	11/16/05 20:52	ALV	7439-95-4		
Manganese, Dissolved	1.5	mg/l	0.0050	11/16/05 20:52	ALV	7439-96-5		
Potassium, Dissolved	3.4	mg/l	1.0	11/16/05 20:52	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 20:52	ALV	7782-49-2		
Sodium, Dissolved	21.	mg/l	5.0	11/16/05 20:52	ALV	7440-23-5		
Strontium, Dissolved	0.36	mg/l	0.0050	11/16/05 20:52	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Iodide (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	8.2	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 09:16	EWS			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	37.	mg/l	5.0	11/09/05 11:30	BMF			

Date: 11/18/05

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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Lab Project Number: 92106966

Client Project ID: Plant Scholz

Lab Sample No: 926313545
Client Sample ID: 204MD-FILTERD

Project Sample Number: 92106966-005
Matrix: Water
Date Collected: 11/07/05 15:50
Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 20:57	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 20:57	ALV	7440-43-9		
Calcium, Dissolved	26.	mg/l	0.10	11/16/05 20:57	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 20:57	ALV	7440-47-3		
Iron, Dissolved	0.095	mg/l	0.050	11/16/05 20:57	ALV	7439-89-6		
Lead, Dissolved	0.0051	mg/l	0.0050	11/16/05 20:57	ALV	7439-92-1		
Magnesium, Dissolved	13.	mg/l	0.10	11/16/05 20:57	ALV	7439-95-4		
Manganese, Dissolved	0.014	mg/l	0.0050	11/16/05 20:57	ALV	7439-96-5		
Potassium, Dissolved	1.4	mg/l	1.0	11/16/05 20:57	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 20:57	ALV	7782-49-2		
Sodium, Dissolved	12.	mg/l	1.0	11/16/05 20:57	ALV	7440-23-5		
Strontium, Dissolved	0.033	mg/l	0.0050	11/16/05 20:57	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS

Method: EPA 7470

Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		
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Water Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	ND	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	1.6	mg/l	0.10	11/09/05 09:16	EWS			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	ND	mg/l	5.0	11/09/05 11:30	BMF			
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Lab Project Number: 92106966

Client Project ID: Plant Scholz

Lab Sample No: 926313578
Client Sample ID: 210MD-FILTERD

Project Sample Number: 92106966-006
Matrix: Water

Date Collected: 11/07/05 11:20
Date Received: 11/08/05 09:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:01	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:01	ALV	7440-43-9		
Calcium, Dissolved	300	mg/l	0.10	11/16/05 21:01	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:01	ALV	7440-47-3		
Iron, Dissolved	43.	mg/l	0.050	11/16/05 21:01	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/16/05 21:01	ALV	7439-92-1		
Magnesium, Dissolved	100	mg/l	0.10	11/16/05 21:01	ALV	7439-95-4		
Manganese, Dissolved	1.5	mg/l	0.0050	11/16/05 21:01	ALV	7439-96-5		
Potassium, Dissolved	2.6	mg/l	1.0	11/16/05 21:01	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:01	ALV	7782-49-2		
Sodium, Dissolved	39.	mg/l	5.0	11/16/05 21:01	ALV	7440-23-5		
Strontium, Dissolved	0.77	mg/l	0.0050	11/16/05 21:01	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Iodide (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	15.	mg/l	5.0	11/09/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 09:16	EWS			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 09:50	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	1200	mg/l	5.0	11/09/05 11:30	BMF			

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Lab Project Number: 92106966
Client Project ID: Plant Scholz

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit

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FL NELAP E87627

QUALITY CONTROL DATA

Lab Project Number: 92106966

Client Project ID: Plant Scholz

QC Batch: 142503 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926313453 926313461 926313479

METHOD BLANK: 926330978
Associated Lab Samples: 926313453 926313461 926313479

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926330986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0027	107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331000 926331018

Parameter	Units	926315375 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0	0.0025	0.0027	0.0026	108	106	2	

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QUALITY CONTROL DATA

Lab Project Number: 92106966

Client Project ID: Plant Scholz

QC Batch: 142505 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, Dissolved by CVAAS
Associated Lab Samples: 926313537 926313545 926313578

METHOD BLANK: 926331067
Associated Lab Samples: 926313537 926313545 926313578

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury, Dissolved	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926331075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury, Dissolved	mg/l	0.0025	0.0028	111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331083 926331091

Parameter	Units	926313537 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury, Dissolved	mg/l	0	0.0025	0.0022	0.0023	88	91	4	

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Charlotte Certification IDs
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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QC Batch: 142366 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Metals by Trace ICP
Associated Lab Samples: 926313453 926313461 926313479

METHOD BLANK: 926325846
Associated Lab Samples: 926313453 926313461 926313479

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0010	
Calcium	mg/l	ND	0.10	
Chromium	mg/l	ND	0.0020	
Iron	mg/l	ND	0.050	
Lead	mg/l	ND	0.0050	
Magnesium	mg/l	ND	0.10	
Manganese	mg/l	ND	0.0050	
Potassium	mg/l	ND	1.0	
Selenium	mg/l	ND	0.0050	
Sodium	mg/l	ND	1.0	
Strontium	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926325853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic	mg/l	0.5000	0.5280	106	
Cadmium	mg/l	0.5000	0.5160	103	
Calcium	mg/l	20.00	20.70	104	
Chromium	mg/l	0.5000	0.5200	104	
Iron	mg/l	20.00	20.70	104	
Lead	mg/l	0.5000	0.5220	104	
Magnesium	mg/l	20.00	20.90	105	
Manganese	mg/l	0.5000	0.5210	104	
Potassium	mg/l	10.00	11.80	118	
Selenium	mg/l	0.5000	0.5230	105	
Sodium	mg/l	10.00	10.60	106	
Strontium	mg/l	0.5000	0.5140	103	

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QUALITY CONTROL DATA

Lab Project Number: 92106966

Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926325861 926325879

Parameter	Units	926308743 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic	mg/l	0	0.5000	0.5190	0.5190	104	104	0	
Cadmium	mg/l	0.00014	0.5000	0.5050	0.5060	101	101	0	
Calcium	mg/l	1.670	20.00	21.90	21.80	101	101	0	
Chromium	mg/l	0	0.5000	0.5110	0.5100	102	102	0	
Iron	mg/l	0	20.00	20.30	20.20	102	101	0	
Lead	mg/l	0.00093	0.5000	0.5090	0.5080	102	101	0	
Magnesium	mg/l	1.710	20.00	22.20	22.10	102	102	0	
Manganese	mg/l	0.00953	0.5000	0.5220	0.5200	102	102	0	
Potassium	mg/l	0.5230	10.00	12.40	12.00	119	115	3	
Selenium	mg/l	0.00311	0.5000	0.5080	0.5130	101	102	1	
Sodium	mg/l	4.160	10.00	16.40	16.20	122	120	1	1
Strontium	mg/l	0.01630	0.5000	0.5220	0.5210	101	101	0	

SAMPLE DUPLICATE: 926325887

Parameter	Units	926308750 Result	DUP Result	RPD	Footnotes
Arsenic	mg/l	ND	ND	NC	
Cadmium	mg/l	ND	ND	NC	
Calcium	mg/l	2.200	2.200	1	
Chromium	mg/l	ND	ND	NC	
Iron	mg/l	ND	ND	NC	
Lead	mg/l	ND	ND	NC	
Magnesium	mg/l	1.200	1.200	2	
Manganese	mg/l	0.00900	0.00910	1	
Potassium	mg/l	1.000	1.100	5	
Selenium	mg/l	ND	ND	NC	
Sodium	mg/l	7.800	7.900	1	
Strontium	mg/l	0.01400	0.01400	1	

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QUALITY CONTROL DATA

Lab Project Number: 92106966

Client Project ID: Plant Scholz

QC Batch: 142367 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Dissolved Metals, Trace ICP
Associated Lab Samples: 926313537 926313545 926313578

METHOD BLANK: 926325895
Associated Lab Samples: 926313537 926313545 926313578

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic, Dissolved	mg/l	ND	0.0050	
Cadmium, Dissolved	mg/l	ND	0.0010	
Calcium, Dissolved	mg/l	ND	0.10	
Chromium, Dissolved	mg/l	ND	0.0020	
Iron, Dissolved	mg/l	ND	0.050	
Lead, Dissolved	mg/l	ND	0.0050	
Magnesium, Dissolved	mg/l	ND	0.10	
Manganese, Dissolved	mg/l	ND	0.0050	
Potassium, Dissolved	mg/l	ND	1.0	
Selenium, Dissolved	mg/l	ND	0.0050	
Sodium, Dissolved	mg/l	ND	1.0	
Strontium, Dissolved	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926325903

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic, Dissolved	mg/l	0.5000	0.5160	103	
Cadmium, Dissolved	mg/l	0.5000	0.5120	102	
Calcium, Dissolved	mg/l	20.00	20.30	102	
Chromium, Dissolved	mg/l	0.5000	0.5180	104	
Iron, Dissolved	mg/l	20.00	20.20	101	
Lead, Dissolved	mg/l	0.5000	0.5170	103	
Magnesium, Dissolved	mg/l	20.00	20.40	102	
Manganese, Dissolved	mg/l	0.5000	0.5200	104	
Potassium, Dissolved	mg/l	10.00	10.80	108	
Selenium, Dissolved	mg/l	0.5000	0.5150	103	
Sodium, Dissolved	mg/l	10.00	10.60	106	
Strontium, Dissolved	mg/l	0.5000	0.5170	103	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926325911 926325929

Parameter	Units	926307604 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic, Dissolved	mg/l	0	0.5000	0.5410	0.5000	108	100	8	
Cadmium, Dissolved	mg/l	0	0.5000	0.5290	0.4890	106	98	8	
Calcium, Dissolved	mg/l	10.70	20.00	26.00	30.90	76	101	17	
Chromium, Dissolved	mg/l	0.00002	0.5000	0.5380	0.4950	108	99	8	
Iron, Dissolved	mg/l	1.660	20.00	17.20	21.60	78	100	23	2
Lead, Dissolved	mg/l	0.00998	0.5000	0.5420	0.5050	106	99	7	
Magnesium, Dissolved	mg/l	5.200	20.00	20.80	25.50	78	102	20	
Manganese, Dissolved	mg/l	2.240	0.5000	2.680	2.760	88	104	3	
Potassium, Dissolved	mg/l	6.340	10.00	15.80	19.00	95	127	18	1
Selenium, Dissolved	mg/l	0	0.5000	0.5330	0.4960	107	99	7	
Sodium, Dissolved	mg/l	15.20	10.00	26.10	30.50	109	153	16	1
Strontium, Dissolved	mg/l	0.07870	0.5000	0.6150	0.5760	107	100	7	

SAMPLE DUPLICATE: 926325937

Parameter	Units	926307612 Result	DUP Result	RPD	Footnotes
Arsenic, Dissolved	mg/l	ND	ND	NC	
Cadmium, Dissolved	mg/l	ND	ND	NC	
Calcium, Dissolved	mg/l	4.800	4.800	1	
Chromium, Dissolved	mg/l	ND	ND	NC	
Iron, Dissolved	mg/l	0.9000	0.8900	1	
Lead, Dissolved	mg/l	0.00570	0.00590	4	
Magnesium, Dissolved	mg/l	2.600	2.500	1	
Manganese, Dissolved	mg/l	0.4500	0.4500	1	
Potassium, Dissolved	mg/l	2.700	2.600	3	
Selenium, Dissolved	mg/l	ND	ND	NC	
Sodium, Dissolved	mg/l	12.00	11.00	4	
Strontium, Dissolved	mg/l	0.03300	0.03200	1	

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NC Wastewater	12
NC Drinking Water	37706
SC	99006
FL NELAP	E87627

QUALITY CONTROL DATA

Lab Project Number: 92106966

Client Project ID: Plant Scholz

QC Batch: 142249
QC Batch Method: EPA 375.4
Associated Lab Samples: 926313453 926313461 926313479 926313537 926313545 926313578

Analysis Method: EPA 375.4

Analysis Description: Sulfate, Turbidimetric

METHOD BLANK: 926319047
Associated Lab Samples: 926313453 926313461 926313479 926313537 926313545 926313578

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Sulfate	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926319054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Sulfate	mg/l	20.00	20.42	102	

MATRIX SPIKE: 926319062

Parameter	Units	926266008 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Sulfate	mg/l	12.04	20.00	30.70	93	

SAMPLE DUPLICATE: 926319070

Parameter	Units	926300781 Result	DUP Result	RPD	Footnotes
Sulfate	mg/l	35.00	36.00	1	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QC Batch: 142250 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926313453

METHOD BLANK: 926319088
Associated Lab Samples: 926313453

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926319096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloride	mg/l	20.00	20.18	101	

MATRIX SPIKE: 926319104

Parameter	Units	926293697 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloride	mg/l	33.92	20.00	50.18	81	

SAMPLE DUPLICATE: 926319112

Parameter	Units	926296906 Result	DUP Result	RPD	Footnotes
Chloride	mg/l	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QC Batch: 142252 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926313461 926313479 926313537 926313545 926313578

METHOD BLANK: 926319161
Associated Lab Samples: 926313461 926313479 926313537 926313545 926313578

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926319179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloride	mg/l	20.00	20.61	103	

MATRIX SPIKE: 926319187

Parameter	Units	926313461 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloride	mg/l	4.792	20.00	24.78	100	

SAMPLE DUPLICATE: 926319195

Parameter	Units	926313479 Result	DUP Result	RPD	Footnotes
Chloride	mg/l	8.000	7.400	7	

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SC	99006
FL NELAP	E87627

Lab Project Number: 92106966
Client Project ID: Plant Scholz

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
[2] The calculated RPD was outside QC acceptance limits.

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320078 Project Sample Number: 92107081-001 Date Collected: 11/08/05 09:48
Client Sample ID: 212MD Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic	ND	mg/l	0.0050	11/15/05 17:49	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 17:49	ALV	7440-43-9		
Calcium	46.	mg/l	0.10	11/15/05 17:49	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 17:49	ALV	7440-47-3		
Iron	ND	mg/l	0.050	11/15/05 17:49	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 17:49	ALV	7439-92-1		
Magnesium	23.	mg/l	0.10	11/15/05 17:49	ALV	7439-95-4		
Manganese	ND	mg/l	0.0050	11/15/05 17:49	ALV	7439-96-5		
Potassium	ND	mg/l	1.0	11/15/05 17:49	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 17:49	ALV	7782-49-2		
Sodium	9.7	mg/l	1.0	11/15/05 17:49	ALV	7440-23-5		
Strontium	0.12	mg/l	0.0050	11/15/05 17:49	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		
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Wet Chemistry

Mercuric Nitrate

Method: EPA 325.2

Chloride	6.5	mg/l	5.0	11/11/05 13:14	TMR	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	0.89	mg/l	0.10	11/09/05 23:59	CD1			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	34.	mg/l	5.0	11/14/05 11:00	BMF			
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Lab Project Number: 92107081
 Client Project ID: Plant Scholz

Lab Sample No: 926320144
 Client Sample ID: 212MD-FILTERED

Project Sample Number: 92107081-002
 Matrix: Water
 Date Collected: 11/08/05 09:48
 Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:05	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:05	ALV	7440-43-9		
Calcium, Dissolved	47.	mg/l	0.10	11/16/05 21:05	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:05	ALV	7440-47-3		
Iron, Dissolved	0.56	mg/l	0.050	11/16/05 21:05	ALV	7439-89-6		
Lead, Dissolved	0.0064	mg/l	0.0050	11/16/05 21:05	ALV	7439-92-1		
Magnesium, Dissolved	23.	mg/l	0.10	11/16/05 21:05	ALV	7439-95-4		
Manganese, Dissolved	0.022	mg/l	0.0050	11/16/05 21:05	ALV	7439-96-5		
Potassium, Dissolved	1.3	mg/l	1.0	11/16/05 21:05	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:05	ALV	7782-49-2		
Sodium, Dissolved	27.	mg/l	5.0	11/16/05 21:05	ALV	7440-23-5		
Strontium, Dissolved	0.12	mg/l	0.0050	11/16/05 21:05	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Mercuric Nitrate)	Method: EPA 325.2							
Chloride	5.9	mg/l	5.0	11/11/05 13:14	TMR	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	0.97	mg/l	0.10	11/09/05 23:59	CD1			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	37.	mg/l	5.0	11/11/05 13:13	TMR			

Date: 11/18/05

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Charlotte Certification IDs
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 NC Drinking Water 37706
 SC 99006
 FL NELAP E87627

Lab Project Number: 92107081

Client Project ID: Plant Scholz

Lab Sample No: 926320151

Project Sample Number: 92107081-003

Date Collected: 11/08/05 15:05

Client Sample ID: 203MD-FILTERED

Matrix: Water

Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:10	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:10	ALV	7440-43-9		
Calcium, Dissolved	39.	mg/l	0.10	11/16/05 21:10	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:10	ALV	7440-47-3		
Iron, Dissolved	1.2	mg/l	0.050	11/16/05 21:10	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/16/05 21:10	ALV	7439-92-1		
Magnesium, Dissolved	20.	mg/l	0.10	11/16/05 21:10	ALV	7439-95-4		
Manganese, Dissolved	0.54	mg/l	0.0050	11/16/05 21:10	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/16/05 21:10	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:10	ALV	7782-49-2		
Sodium, Dissolved	25.	mg/l	5.0	11/16/05 21:10	ALV	7440-23-5		
Strontium, Dissolved	0.068	mg/l	0.0050	11/16/05 21:10	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS

Method: EPA 7470

Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		
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Water Chemistry

Iodide (Mercuric Nitrate)

Method: EPA 325.2

Chloride	5.6	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	0.93	mg/l	0.10	11/09/05 23:59	CD1			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	25.	mg/l	5.0	11/11/05 13:13	TMR			
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A. State Certification IDs

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Charlotte Certification IDs

NC Wastewater 12
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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320169 Project Sample Number: 92107081-004 Date Collected: 11/08/05 15:05
Client Sample ID: 203MD-.45 FILTERED Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:14	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:14	ALV	7440-43-9		
Calcium, Dissolved	40.	mg/l	0.10	11/16/05 21:14	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:14	ALV	7440-47-3		
Iron, Dissolved	1.3	mg/l	0.050	11/16/05 21:14	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/16/05 21:14	ALV	7439-92-1		
Magnesium, Dissolved	20.	mg/l	0.10	11/16/05 21:14	ALV	7439-95-4		
Manganese, Dissolved	0.58	mg/l	0.0050	11/16/05 21:14	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/16/05 21:14	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:14	ALV	7782-49-2		
Sodium, Dissolved	18.	mg/l	1.0	11/16/05 21:14	ALV	7440-23-5		
Strontium, Dissolved	0.071	mg/l	0.0050	11/16/05 21:14	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				
Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320177
Client Sample ID: 203MD

Project Sample Number: 92107081-005
Matrix: Water
Date Collected: 11/08/05 15:05
Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic	ND	mg/l	0.0050	11/15/05 17:53	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 17:53	ALV	7440-43-9		
Calcium	40.	mg/l	0.10	11/15/05 17:53	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 17:53	ALV	7440-47-3		
Iron	1.5	mg/l	0.050	11/15/05 17:53	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 17:53	ALV	7439-92-1		
Magnesium	21.	mg/l	0.10	11/15/05 17:53	ALV	7439-95-4		
Manganese	0.60	mg/l	0.0050	11/15/05 17:53	ALV	7439-96-5		
Potassium	ND	mg/l	1.0	11/15/05 17:53	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 17:53	ALV	7782-49-2		
Sodium	11.	mg/l	1.0	11/15/05 17:53	ALV	7440-23-5		
Strontium	0.074	mg/l	0.0050	11/15/05 17:53	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		
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Wet Chemistry

Iodide (Mercuric Nitrate)

Method: EPA 325.2

Chloride	6.1	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	1.0	mg/l	0.10	11/09/05 23:59	CD1			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	25.	mg/l	5.0	11/11/05 13:13	TMR			
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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320185
Client Sample ID: 110

Project Sample Number: 92107081-006
Matrix: Water
Date Collected: 11/08/05 18:00
Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic	ND	mg/l	0.0050	11/15/05 17:57	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 17:57	ALV	7440-43-9		
Calcium	35.	mg/l	0.10	11/15/05 17:57	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 17:57	ALV	7440-47-3		
Iron	0.79	mg/l	0.050	11/15/05 17:57	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 17:57	ALV	7439-92-1		
Magnesium	12.	mg/l	0.10	11/15/05 17:57	ALV	7439-95-4		
Manganese	0.075	mg/l	0.0050	11/15/05 17:57	ALV	7439-96-5		
Potassium	4.1	mg/l	1.0	11/15/05 17:57	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 17:57	ALV	7782-49-2		
Sodium	3.0	mg/l	1.0	11/15/05 17:57	ALV	7440-23-5		
Strontium	0.088	mg/l	0.0050	11/15/05 17:57	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				
Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		
Wet Chemistry								
loride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	ND	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 23:59	CD1			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/11/05 13:13	TMR			

Date: 11/18/05

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

Lab Sample No: 926320193 Project Sample Number: 92107081-007 Date Collected: 11/08/05 18:00
Client Sample ID: 110-FILTERED Matrix: Water Date Received: 11/09/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic, Dissolved	ND	mg/l	0.0050	11/16/05 21:18	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/16/05 21:18	ALV	7440-43-9		
Calcium, Dissolved	35.	mg/l	0.10	11/16/05 21:18	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/16/05 21:18	ALV	7440-47-3		
Iron, Dissolved	1.0	mg/l	0.050	11/16/05 21:18	ALV	7439-89-6		
Lead, Dissolved	0.0050	mg/l	0.0050	11/16/05 21:18	ALV	7439-92-1		
Magnesium, Dissolved	10.	mg/l	0.10	11/16/05 21:18	ALV	7439-95-4		
Manganese, Dissolved	0.082	mg/l	0.0050	11/16/05 21:18	ALV	7439-96-5		
Potassium, Dissolved	4.4	mg/l	1.0	11/16/05 21:18	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/16/05 21:18	ALV	7782-49-2		
Sodium, Dissolved	12.	mg/l	1.0	11/16/05 21:18	ALV	7440-23-5		
Strontium, Dissolved	0.091	mg/l	0.0050	11/16/05 21:18	ALV	7440-24-6		
Date Digested	11/10/05 10:30			11/10/05 10:30				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Water Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	ND	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/09/05 23:59	CD1			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/10/05 17:15	TMR	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/11/05 13:13	TMR			

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142503 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926320078 926320177 926320185

METHOD BLANK: 926330978
Associated Lab Samples: 926320078 926320177 926320185

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926330986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0027	107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331000 926331018

Parameter	Units	9263315375 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0	0.0025	0.0027	0.0026	108	106	2	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142505 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, Dissolved by CVAAS
Associated Lab Samples: 926320144 926320151 926320169 926320193

METHOD BLANK: 926331067
Associated Lab Samples: 926320144 926320151 926320169 926320193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury, Dissolved	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926331075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury, Dissolved	mg/l	0.0025	0.0028	111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331083 926331091

Parameter	Units	926313537 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury, Dissolved	mg/l	0	0.0025	0.0022	0.0023	88	91	4	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142367 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Dissolved Metals, Trace ICP
Associated Lab Samples: 926320144 926320151 926320169 926320193

METHOD BLANK: 926325895
Associated Lab Samples: 926320144 926320151 926320169 926320193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic, Dissolved	mg/l	ND	0.0050	
Cadmium, Dissolved	mg/l	ND	0.0010	
Calcium, Dissolved	mg/l	ND	0.10	
Chromium, Dissolved	mg/l	ND	0.0020	
Iron, Dissolved	mg/l	ND	0.050	
Lead, Dissolved	mg/l	ND	0.0050	
Magnesium, Dissolved	mg/l	ND	0.10	
Manganese, Dissolved	mg/l	ND	0.0050	
Potassium, Dissolved	mg/l	ND	1.0	
Selenium, Dissolved	mg/l	ND	0.0050	
Sodium, Dissolved	mg/l	ND	1.0	
Strontium, Dissolved	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926325903

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic, Dissolved	mg/l	0.5000	0.5160	103	
Cadmium, Dissolved	mg/l	0.5000	0.5120	102	
Calcium, Dissolved	mg/l	20.00	20.30	102	
Chromium, Dissolved	mg/l	0.5000	0.5180	104	
Iron, Dissolved	mg/l	20.00	20.20	101	
Lead, Dissolved	mg/l	0.5000	0.5170	103	
Magnesium, Dissolved	mg/l	20.00	20.40	102	
Manganese, Dissolved	mg/l	0.5000	0.5200	104	
Potassium, Dissolved	mg/l	10.00	10.80	108	
Selenium, Dissolved	mg/l	0.5000	0.5150	103	
Sodium, Dissolved	mg/l	10.00	10.60	106	
Strontium, Dissolved	mg/l	0.5000	0.5170	103	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926325911 926325929

Parameter	Units	926307604 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic, Dissolved	mg/l	0	0.5000	0.5410	0.5000	108	100	8	
Cadmium, Dissolved	mg/l	0	0.5000	0.5290	0.4890	106	98	8	
Calcium, Dissolved	mg/l	10.70	20.00	26.00	30.90	76	101	17	
Chromium, Dissolved	mg/l	0.00002	0.5000	0.5380	0.4950	108	99	8	
Iron, Dissolved	mg/l	1.660	20.00	17.20	21.60	78	100	23	1
Lead, Dissolved	mg/l	0.00998	0.5000	0.5420	0.5050	106	99	7	
Magnesium, Dissolved	mg/l	5.200	20.00	20.80	25.50	78	102	20	
Manganese, Dissolved	mg/l	2.240	0.5000	2.680	2.760	88	104	3	
Potassium, Dissolved	mg/l	6.340	10.00	15.80	19.00	95	127	18	2
Selenium, Dissolved	mg/l	0	0.5000	0.5330	0.4960	107	99	7	
Sodium, Dissolved	mg/l	15.20	10.00	26.10	30.50	109	153	16	2
Strontium, Dissolved	mg/l	0.07870	0.5000	0.6150	0.5760	107	100	7	

SAMPLE DUPLICATE: 926325937

Parameter	Units	926307612 Result	DUP Result	RPD	Footnotes
Arsenic, Dissolved	mg/l	ND	ND	NC	
Cadmium, Dissolved	mg/l	ND	ND	NC	
Calcium, Dissolved	mg/l	4.800	4.800	1	
Chromium, Dissolved	mg/l	ND	ND	NC	
Iron, Dissolved	mg/l	0.9000	0.8900	1	
Lead, Dissolved	mg/l	0.00570	0.00590	4	
Magnesium, Dissolved	mg/l	2.600	2.500	1	
Manganese, Dissolved	mg/l	0.4500	0.4500	1	
Potassium, Dissolved	mg/l	2.700	2.600	3	
Selenium, Dissolved	mg/l	ND	ND	NC	
Sodium, Dissolved	mg/l	12.00	11.00	4	
Strontium, Dissolved	mg/l	0.03300	0.03200	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142509 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Metals by Trace ICP
Associated Lab Samples: 926320078 926320177 926320185

METHOD BLANK: 926331232
Associated Lab Samples: 926320078 926320177 926320185

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0010	
Calcium	mg/l	ND	0.10	
Chromium	mg/l	ND	0.0020	
Iron	mg/l	ND	0.050	
Lead	mg/l	ND	0.0050	
Magnesium	mg/l	ND	0.10	
Manganese	mg/l	ND	0.0050	
Potassium	mg/l	ND	1.0	
Selenium	mg/l	ND	0.0050	
Sodium	mg/l	ND	1.0	
Strontium	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926331240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic	mg/l	0.5000	0.4820	96	
Cadmium	mg/l	0.5000	0.4830	97	
Calcium	mg/l	20.00	19.40	97	
Chromium	mg/l	0.5000	0.4850	97	
Iron	mg/l	20.00	19.30	96	
Lead	mg/l	0.5000	0.4850	97	
Magnesium	mg/l	20.00	19.60	98	
Manganese	mg/l	0.5000	0.4890	98	
Potassium	mg/l	10.00	10.50	105	
Selenium	mg/l	0.5000	0.4870	97	
Sodium	mg/l	10.00	10.48	105	
Strontium	mg/l	0.5000	0.4830	97	

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QUALITY CONTROL DATA

Lab Project Number: 92107081

Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331257 926331265

Parameter	Units	926315375 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic	mg/l	0	0.5000	0.4770	0.4870	95	97	2	
Cadmium	mg/l	0	0.5000	0.4690	0.4790	94	96	2	
Calcium	mg/l	6.790	20.00	25.30	25.60	93	94	1	
Chromium	mg/l	0	0.5000	0.4780	0.4870	96	97	2	
Iron	mg/l	45.20	20.00	61.00	62.80	79	88	3	2
Lead	mg/l	0	0.5000	0.4790	0.4860	96	97	1	
Magnesium	mg/l	1.570	20.00	20.60	21.00	95	97	2	
Manganese	mg/l	3.390	0.5000	3.640	3.720	50	66	2	2,2
Potassium	mg/l	3.980	10.00	15.20	15.50	112	115	2	
Selenium	mg/l	0.00867	0.5000	0.4840	0.4970	95	98	3	
Sodium	mg/l	6.159	10.00	16.53	16.94	104	108	2	
Strontium	mg/l	0.02090	0.5000	0.5000	0.5070	96	97	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142356
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 48 Hour NO3 / NO2 / NOX
Associated Lab Samples: 926320078 926320144 926320151 926320177 926320185 926320193

METHOD BLANK: 926325499
Associated Lab Samples: 926320078 926320144 926320151 926320177 926320185 926320193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Nitrate as N	mg/l	ND	0.10	

LABORATORY CONTROL SAMPLE: 926325507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Nitrate as N	mg/l	5.000	4.970	99	

***TRIX SPIKE: 926325515

Parameter	Units	926320011 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Nitrate as N	mg/l	10.80	5.000	15.50	94	

SAMPLE DUPLICATE: 926325523

Parameter	Units	926320078 Result	DUP Result	RPD	Footnotes
Nitrate as N	mg/l	0.8900	0.9100	2	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142465 Analysis Method: EPA 365.2
QC Batch Method: EPA 365.2 Analysis Description: Phosphorus, Total
Associated Lab Samples: 926320078 926320144 926320151 926320177 926320193

METHOD BLANK: 926328972
Associated Lab Samples: 926320078 926320144 926320151 926320177 926320193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Phosphorus	mg/l	ND	0.100	

LABORATORY CONTROL SAMPLE: 926328980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Phosphorus	mg/l	1.000	0.9460	95	

MATRIX SPIKE: 926329590

Parameter	Units	926318072 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Phosphorus	mg/l	0.3260	1.000	2.204	188	2

SAMPLE DUPLICATE: 926329103

Parameter	Units	926315409 Result	DUP Result	RPD	Footnotes
Phosphorus	mg/l	2.040	1.740	16	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142546 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926320078 926320144

METHOD BLANK: 926333089
Associated Lab Samples: 926320078 926320144

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926333097

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloride	mg/l	20.00	20.04	100	

MATRIX SPIKE: 926333105

Parameter	Units	926331901 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloride	mg/l	12.15	20.00	31.78	98	

SAMPLE DUPLICATE: 926333113

Parameter	Units	926331919 Result	DUP Result	RPD	Footnotes
Chloride	mg/l	10.00	10.00	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142547 Analysis Method: EPA 375.4
QC Batch Method: EPA 375.4 Analysis Description: Sulfate, Turbidimetric
Associated Lab Samples: 926320144 926320151 926320177 926320185 926320193

METHOD BLANK: 926333121
Associated Lab Samples: 926320144 926320151 926320177 926320185 926320193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Sulfate	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926333139

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Sulfate	mg/l	20.00	19.89	99	

MATRIX SPIKE: 926333147

Parameter	Units	926331901 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Sulfate	mg/l	45.52	20.00	64.69	96	

SAMPLE DUPLICATE: 926333154

Parameter	Units	926331919 Result	DUP Result	RPD	Footnotes
Sulfate	mg/l	36.00	37.00	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142616 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926320151 926320177 926320185 926320193

METHOD BLANK: 926337106
Associated Lab Samples: 926320151 926320177 926320185 926320193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926337114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloride	mg/l	20.00	20.32	102	

MATRIX SPIKE: 926337122

Parameter	Units	926320151 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloride	mg/l	5.645	20.00	26.51	104	

SAMPLE DUPLICATE: 926337130

Parameter	Units	926320177 Result	DUP Result	RPD	Footnotes
Chloride	mg/l	6.100	5.900	2	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142617 Analysis Method: EPA 375.4
QC Batch Method: EPA 375.4 Analysis Description: Sulfate, Turbidimetric
Associated Lab Samples: 926320078

METHOD BLANK: 926337148
Associated Lab Samples: 926320078

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Sulfate	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926337155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Sulfate	mg/l	20.00	18.54	93	

MATRIX SPIKE: 926337163

Parameter	Units	926320078 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Sulfate	mg/l	33.53	20.00	49.65	81	

SAMPLE DUPLICATE: 926337171

Parameter	Units	926324989 Result	DUP Result	RPD	Footnotes
Sulfate	mg/l	68.00	70.00	3	

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QUALITY CONTROL DATA

Lab Project Number: 92107081
Client Project ID: Plant Scholz

QC Batch: 142958 Analysis Method: EPA 365.2
QC Batch Method: EPA 365.2 Analysis Description: Phosphorus, Total
Associated Lab Samples: 926320185

METHOD BLANK: 926352303
Associated Lab Samples: 926320185

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Phosphorus	mg/l	ND	0.100	

LABORATORY CONTROL SAMPLE: 926352311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Phosphorus	mg/l	1.000	1.015	102	

MATRIX SPIKE: 926352329

Parameter	Units	926342882 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Phosphorus	mg/l	7.967	1.000	8.829	86	

SAMPLE DUPLICATE: 926352337

Parameter	Units	926342890 Result	DUP Result	RPD	Footnotes
Phosphorus	mg/l	5.270	5.330	1	

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Lab Project Number: 92107081
Client Project ID: Plant Scholz

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] The calculated RPD was outside QC acceptance limits.
[2] The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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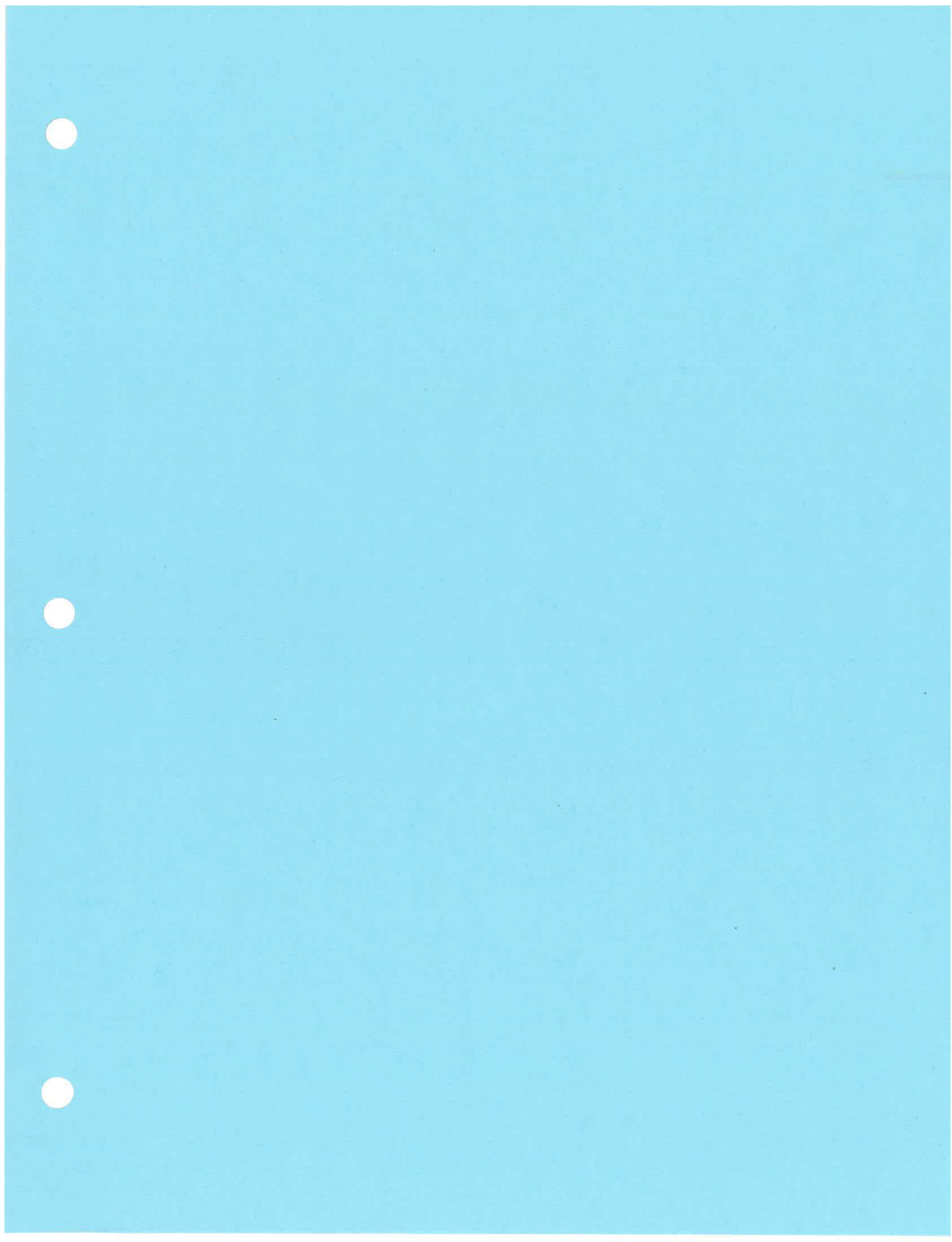
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Lab Project Number: 92107341
Client Project ID: Plant Scholz

Lab Sample No: 926332503
Client Sample ID: ASH POND

Project Sample Number: 92107341-001
Matrix: Water
Date Collected: 11/10/05 09:40
Date Received: 11/11/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic	0.086	mg/l	0.0050	11/17/05 13:55	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/17/05 13:55	ALV	7440-43-9		
Calcium	64.	mg/l	0.10	11/17/05 13:55	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/17/05 13:55	ALV	7440-47-3		
Iron	0.072	mg/l	0.050	11/17/05 13:55	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/17/05 13:55	ALV	7439-92-1		
Magnesium	7.2	mg/l	0.10	11/17/05 13:55	ALV	7439-95-4		
Manganese	0.085	mg/l	0.0050	11/17/05 13:55	ALV	7439-96-5		
Potassium	9.9	mg/l	1.0	11/17/05 13:55	ALV	7440-09-7		
Selenium	0.022	mg/l	0.0050	11/17/05 13:55	ALV	7782-49-2		
Sodium	11.	mg/l	1.0	11/17/05 13:55	ALV	7440-23-5		
Strontium	1.0	mg/l	0.0050	11/17/05 13:55	ALV	7440-24-6		
Date Digested	11/14/05 11:15			11/14/05 11:15				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/14/05 09:29	ALV	7439-97-6		
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Water Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	9.3	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	ND	mg/l	0.10	11/12/05 08:16	ARH			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	160	mg/l	25.	11/14/05 11:00	BMF			
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Lab Project Number: 92107341
Client Project ID: Plant Scholz

Lab Sample No: 926332511
Client Sample ID: ASH POND-FILTERED

Project Sample Number: 92107341-002
Matrix: Water
Date Collected: 11/10/05 09:40
Date Received: 11/11/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Arsenic, Dissolved	0.065	mg/l	0.0050	11/21/05 00:08	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/21/05 00:08	ALV	7440-43-9		
Calcium, Dissolved	51.	mg/l	0.10	11/21/05 00:08	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/21/05 00:08	ALV	7440-47-3		
Iron, Dissolved	0.16	mg/l	0.050	11/21/05 00:08	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/21/05 00:08	ALV	7439-92-1		
Magnesium, Dissolved	5.6	mg/l	0.10	11/21/05 00:08	ALV	7439-95-4		
Manganese, Dissolved	0.061	mg/l	0.0050	11/21/05 00:08	ALV	7439-96-5		
Potassium, Dissolved	7.2	mg/l	1.0	11/21/05 00:08	ALV	7440-09-7		
Selenium, Dissolved	0.016	mg/l	0.0050	11/21/05 00:08	ALV	7782-49-2		
Sodium, Dissolved	8.1	mg/l	1.0	11/21/05 00:08	ALV	7440-23-5		
Strontium, Dissolved	0.85	mg/l	0.0050	11/21/05 00:08	ALV	7440-24-6		
Date Digested	11/15/05 08:00			11/15/05 08:00				
Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	0.00071	mg/l	0.00020	11/18/05 13:52	ALV	7439-97-6		
Wet Chemistry								
Iodide (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	8.9	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/12/05 08:16	ARH			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	160	mg/l	25.	11/14/05 11:00	BMF			

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Lab Project Number: 92107341
Client Project ID: Plant Scholz

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit

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QUALITY CONTROL DATA

Lab Project Number: 92107341

Client Project ID: Plant Scholz

QC Batch: 142609 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926332503

METHOD BLANK: 926336835
Associated Lab Samples: 926332503

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926336843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0026	105	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926337072 926337080

Parameter	Units	926332495 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0.00005	0.0025	0.0026	0.0028	103	109	5	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 143122
QC Batch Method: EPA 7470
Associated Lab Samples: 926332511

Analysis Method: EPA 7470
Analysis Description: Mercury, Dissolved by CVAAS

METHOD BLANK: 926359001
Associated Lab Samples: 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury, Dissolved	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926359019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury, Dissolved	mg/l	0.0025	0.0027	109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926359027 926359035

Parameter	Units	926332511 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury, Dissolved	mg/l	0.00071	0.0025	0.0025	0.0026	72	74	2	1.1

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142613
QC Batch Method: EPA 3010
Associated Lab Samples: 926332503
Analysis Method: EPA 6010
Analysis Description: Metals by Trace ICP

METHOD BLANK: 926337023
Associated Lab Samples: 926332503

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0010	
Calcium	mg/l	ND	0.10	
Chromium	mg/l	ND	0.0020	
Iron	mg/l	ND	0.050	
Lead	mg/l	ND	0.0050	
Magnesium	mg/l	ND	0.10	
Manganese	mg/l	ND	0.0050	
Potassium	mg/l	ND	1.0	
Selenium	mg/l	ND	0.0050	
Sodium	mg/l	ND	1.0	
Strontium	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926337031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic	mg/l	0.5000	0.5200	104	
Cadmium	mg/l	0.5000	0.5140	103	
Calcium	mg/l	20.00	20.60	103	
Chromium	mg/l	0.5000	0.5190	104	
Iron	mg/l	20.00	20.50	103	
Lead	mg/l	0.5000	0.5200	104	
Magnesium	mg/l	20.00	20.70	104	
Manganese	mg/l	0.5000	0.5210	104	
Potassium	mg/l	10.00	11.30	113	
Selenium	mg/l	0.5000	0.5170	103	
Sodium	mg/l	10.00	10.50	105	
Strontium	mg/l	0.5000	0.5160	103	

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QUALITY CONTROL DATA

Lab Project Number: 92107341

Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926337049 926337056

Parameter	Units	926332651 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic	mg/l	0.08310	0.5000	0.6070	0.6270	105	109	3	
Cadmium	mg/l	0	0.5000	0.5050	0.5320	101	106	5	
Calcium	mg/l	18.30	20.00	37.50	39.00	96	104	4	
Chromium	mg/l	0.04390	0.5000	0.5560	0.5790	102	107	4	
Iron	mg/l	10.50	20.00	30.50	31.30	100	104	3	
Lead	mg/l	0.02280	0.5000	0.5320	0.5590	102	107	5	
Magnesium	mg/l	4.480	20.00	25.10	26.10	103	108	4	
Manganese	mg/l	0.09530	0.5000	0.6080	0.6310	102	107	4	
Potassium	mg/l	70.60	10.00	88.50	96.20	179	256	8	1.1
Selenium	mg/l	0.00026	0.5000	0.5190	0.5400	104	108	4	
Sodium	mg/l	11.80	10.00	26.10	27.40	143	156	5	1.1
Strontium	mg/l	0.09580	0.5000	0.6080	0.6320	102	107	4	

SAMPLE DUPLICATE: 926337064

Parameter	Units	926332495 Result	DUP Result	RPD	Footnotes
Arsenic	mg/l	ND	ND	NC	
Cadmium	mg/l	ND	ND	NC	
Chromium	mg/l	ND	ND	NC	
Lead	mg/l	ND	ND	NC	
Selenium	mg/l	ND	ND	NC	
Calcium	mg/l		26.00	0	
Iron	mg/l		8.500	0	
Magnesium	mg/l		2.700	0	
Manganese	mg/l		0.06500	0	
Potassium	mg/l		1.700	0	
Sodium	mg/l		11.00	0	
Strontium	mg/l		0.1800	0	

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QUALITY CONTROL DATA

Lab Project Number: 92107341

Client Project ID: Plant Scholz

QC Batch: 142732

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: Dissolved Metals, Trace ICP

Associated Lab Samples:

926332511

METHOD BLANK: 926340373

Associated Lab Samples:

926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic, Dissolved	mg/l	ND	0.0050	
Cadmium, Dissolved	mg/l	ND	0.0010	
Calcium, Dissolved	mg/l	ND	0.10	
Chromium, Dissolved	mg/l	ND	0.0020	
Iron, Dissolved	mg/l	ND	0.050	
Lead, Dissolved	mg/l	ND	0.0050	
Magnesium, Dissolved	mg/l	ND	0.10	
Manganese, Dissolved	mg/l	ND	0.0050	
Potassium, Dissolved	mg/l	ND	1.0	
Selenium, Dissolved	mg/l	ND	0.0050	
Sodium, Dissolved	mg/l	ND	1.0	
Strontium, Dissolved	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926340381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic, Dissolved	mg/l	0.5000	0.4630	93	
Cadmium, Dissolved	mg/l	0.5000	0.4670	93	
Calcium, Dissolved	mg/l	20.00	18.40	92	
Chromium, Dissolved	mg/l	0.5000	0.4690	94	
Iron, Dissolved	mg/l	20.00	18.40	92	
Lead, Dissolved	mg/l	0.5000	0.4530	91	
Magnesium, Dissolved	mg/l	20.00	18.10	90	
Manganese, Dissolved	mg/l	0.5000	0.4720	94	
Potassium, Dissolved	mg/l	10.00	9.240	92	
Selenium, Dissolved	mg/l	0.5000	0.4560	91	
Sodium, Dissolved	mg/l	10.00	8.981	90	
Strontium, Dissolved	mg/l	0.5000	0.4700	94	

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QUALITY CONTROL DATA

Lab Project Number: 92107341

Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926340399 926340407

Parameter	Units	926326745 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic, Dissolved	mg/l	0.00308	0.5000	0.4770	0.4780	95	95	0	
Cadmium, Dissolved	mg/l	0	0.5000	0.4700	0.4600	94	92	2	
Calcium, Dissolved	mg/l	30.00	20.00	46.40	46.10	82	80	1	
Chromium, Dissolved	mg/l	0.00109	0.5000	0.4760	0.4660	95	93	2	
Iron, Dissolved	mg/l	32.30	20.00	37.60	39.90	26	38	6	1,1
Lead, Dissolved	mg/l	0	0.5000	0.4630	0.4540	93	91	2	
Magnesium, Dissolved	mg/l	9.370	20.00	27.10	26.80	89	87	1	
Manganese, Dissolved	mg/l	2.730	0.5000	2.950	2.960	44	46	0	1,1
Potassium, Dissolved	mg/l	0.9030	10.00	11.10	10.80	102	99	3	
Selenium, Dissolved	mg/l	0.00431	0.5000	0.4690	0.4630	93	92	1	
Sodium, Dissolved	mg/l	10.15	10.00	20.42	19.76	103	96	3	
Strontium, Dissolved	mg/l	0.1370	0.5000	0.5990	0.5910	92	91	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142585 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 48 Hour NO3 / NO2 / NOX
Associated Lab Samples: 926332503 926332511

METHOD BLANK: 926335936
Associated Lab Samples: 926332503 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Nitrate as N	mg/l	ND	0.10	

LABORATORY CONTROL SAMPLE: 926335944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Nitrate as N	mg/l	5.000	5.180	104	

MATRIX SPIKE: 926335969

Parameter	Units	926332511 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Nitrate as N	mg/l	0.05000	5.000	5.580	111	

SAMPLE DUPLICATE: 926335951

Parameter	Units	926332503 Result	DUP Result	RPD	Footnotes
Nitrate as N	mg/l	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142592 Analysis Method: EPA 365.2
QC Batch Method: EPA 365.2 Analysis Description: Phosphorus, Total
Associated Lab Samples: 926332503 926332511

METHOD BLANK: 926336116
Associated Lab Samples: 926332503 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Phosphorus	mg/l	ND	0.100	

LABORATORY CONTROL SAMPLE: 926336124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Phosphorus	mg/l	1.000	1.086	109	

MATRIX SPIKE: 926336132

Parameter	Units	926323205 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Phosphorus	mg/l	4.610	1.000	7.490	288	1

SAMPLE DUPLICATE: 926336140

Parameter	Units	926329665 Result	DUP Result	RPD	Footnotes
Phosphorus	mg/l	6.360	6.040	5	

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QUALITY CONTROL DATA

Lab Project Number: 92107341

Client Project ID: Plant Scholz

QC Batch: 142616 Analysis Method: EPA 325.2
QC Batch Method: EPA 325.2 Analysis Description: Chloride (Mercuric Nitrate)
Associated Lab Samples: 926332503 926332511

METHOD BLANK: 926337106

Associated Lab Samples: 926332503 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloride	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926337114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloride	mg/l	20.00	20.32	102	

MATRIX SPIKE: 926337122

Parameter	Units	926320151 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloride	mg/l	5.645	20.00	26.51	104	

SAMPLE DUPLICATE: 926337130

Parameter	Units	926320177 Result	DUP Result	RPD	Footnotes
Chloride	mg/l	6.100	5.900	2	

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REPORT OF LABORATORY ANALYSIS

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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

QUALITY CONTROL DATA

Lab Project Number: 92107341
Client Project ID: Plant Scholz

QC Batch: 142617 Analysis Method: EPA 375.4
QC Batch Method: EPA 375.4 Analysis Description: Sulfate, Turbidimetric
Associated Lab Samples: 926332503 926332511

METHOD BLANK: 926337148
Associated Lab Samples: 926332503 926332511

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Sulfate	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926337155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Sulfate	mg/l	20.00	18.54	93	

MATRIX SPIKE: 926337163

Parameter	Units	926320078 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Sulfate	mg/l	33.53	20.00	49.65	81	

SAMPLE DUPLICATE: 926337171

Parameter	Units	926324989 Result	DUP Result	RPD	Footnotes
Sulfate	mg/l	68.00	70.00	3	

Date: 11/21/05

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Lab Project Number: 92107341
Client Project ID: Plant Scholz

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

Date: 11/21/05

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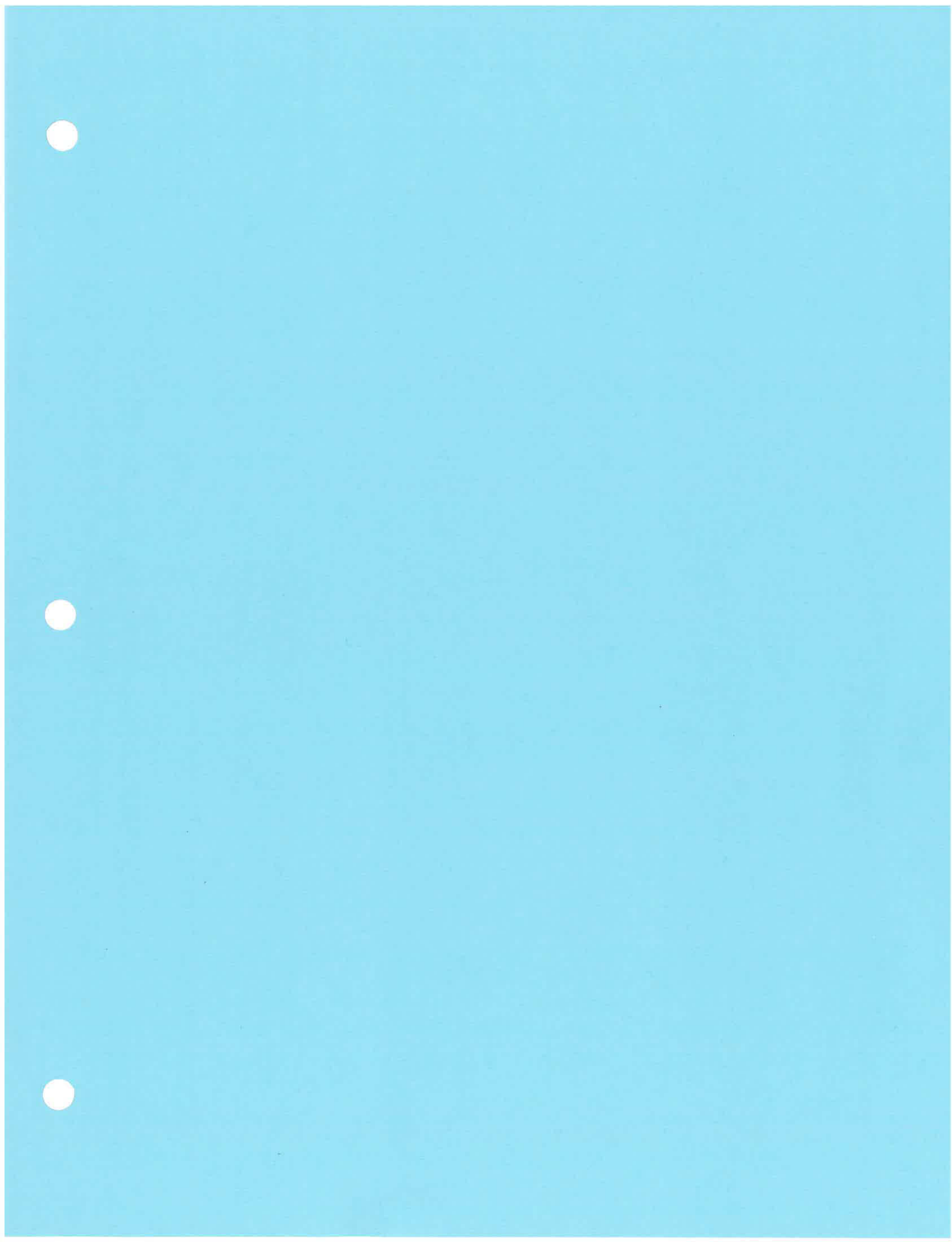
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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326711 Project Sample Number: 92107214-001 Date Collected: 11/09/05 09:55
Client Sample ID: 203S Matrix: Water Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic	ND	mg/l	0.0050	11/15/05 18:01	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 18:01	ALV	7440-43-9		
Calcium	40.	mg/l	0.10	11/15/05 18:01	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 18:01	ALV	7440-47-3		
Iron	34.	mg/l	0.050	11/15/05 18:01	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 18:01	ALV	7439-92-1		
Magnesium	13.	mg/l	0.10	11/15/05 18:01	ALV	7439-95-4		
Manganese	3.5	mg/l	0.0050	11/15/05 18:01	ALV	7439-96-5		
Potassium	1.1	mg/l	1.0	11/15/05 18:01	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 18:01	ALV	7782-49-2		
Sodium	16.	mg/l	1.0	11/15/05 18:01	ALV	7440-23-5		
Strontium	0.18	mg/l	0.0050	11/15/05 18:01	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		
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Wet Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	5.4	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	ND	mg/l	0.10	11/11/05 00:50	ARH			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	16.	mg/l	5.0	11/14/05 11:00	BMF			
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Fax: 828.252.4618

Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326729
Client Sample ID: 205MD

Project Sample Number: 92107214-002
Matrix: Water
Date Collected: 11/09/05 14:55
Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic	ND	mg/l	0.0050	11/15/05 18:05	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 18:05	ALV	7440-43-9		
Calcium	20.	mg/l	0.10	11/15/05 18:05	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 18:05	ALV	7440-47-3		
Iron	ND	mg/l	0.050	11/15/05 18:05	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 18:05	ALV	7439-92-1		
Magnesium	12.	mg/l	0.10	11/15/05 18:05	ALV	7439-95-4		
Manganese	ND	mg/l	0.0050	11/15/05 18:05	ALV	7439-96-5		
Potassium	1.6	mg/l	1.0	11/15/05 18:05	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 18:05	ALV	7782-49-2		
Sodium	2.3	mg/l	1.0	11/15/05 18:05	ALV	7440-23-5		
Strontium	0.067	mg/l	0.0050	11/15/05 18:05	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/11/05 01:05	ALV	7439-97-6		
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Wet Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	ND	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	1.9	mg/l	0.10	11/11/05 00:50	ARH			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	ND	mg/l	5.0	11/14/05 11:00	BMF			
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Date: 11/21/05

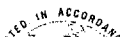
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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326737
Client Sample ID: 205S

Project Sample Number: 92107214-003
Matrix: Water
Date Collected: 11/09/05 16:55
Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Metals by Trace ICP

Prep/Method: EPA 3010 / EPA 6010

Arsenic	ND	mg/l	0.0050	11/15/05 18:09	ALV	7440-38-2		
Cadmium	ND	mg/l	0.0010	11/15/05 18:09	ALV	7440-43-9		
Calcium	1.0	mg/l	0.10	11/15/05 18:09	ALV	7440-70-2		
Chromium	ND	mg/l	0.0020	11/15/05 18:09	ALV	7440-47-3		
Iron	ND	mg/l	0.050	11/15/05 18:09	ALV	7439-89-6		
Lead	ND	mg/l	0.0050	11/15/05 18:09	ALV	7439-92-1		
Magnesium	0.98	mg/l	0.10	11/15/05 18:09	ALV	7439-95-4		
Manganese	ND	mg/l	0.0050	11/15/05 18:09	ALV	7439-96-5		
Potassium	ND	mg/l	1.0	11/15/05 18:09	ALV	7440-09-7		
Selenium	ND	mg/l	0.0050	11/15/05 18:09	ALV	7782-49-2		
Sodium	3.4	mg/l	1.0	11/15/05 18:09	ALV	7440-23-5		
Strontium	0.0056	mg/l	0.0050	11/15/05 18:09	ALV	7440-24-6		
Date Digested	11/11/05 11:45			11/11/05 11:45				

Mercury, CVAAS, in Water

Method: EPA 7470

Mercury	ND	mg/l	0.00020	11/14/05 09:29	ALV	7439-97-6		
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Wet Chemistry

Chloride (Mercuric Nitrate)

Method: EPA 325.2

Chloride	7.1	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
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48 Hour NO3 / NO2 / NOX

Method: EPA 353.2

Nitrate as N	ND	mg/l	0.10	11/11/05 00:50	ARH			
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Phosphorus, Total

Method: EPA 365.2

Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
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Sulfate, Turbidimetric

Method: EPA 375.4

Sulfate	ND	mg/l	5.0	11/14/05 11:00	BMF			
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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326745
Client Sample ID: 203S-FILTERED

Project Sample Number: 92107214-004
Matrix: Water

Date Collected: 11/09/05 09:55
Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic, Dissolved	ND	mg/l	0.0050	11/20/05 23:56	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/20/05 23:56	ALV	7440-43-9		
Calcium, Dissolved	30.	mg/l	0.10	11/20/05 23:56	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/20/05 23:56	ALV	7440-47-3		
Iron, Dissolved	32.	mg/l	0.050	11/20/05 23:56	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/20/05 23:56	ALV	7439-92-1		
Magnesium, Dissolved	9.4	mg/l	0.10	11/20/05 23:56	ALV	7439-95-4		
Manganese, Dissolved	2.7	mg/l	0.0050	11/20/05 23:56	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/20/05 23:56	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/20/05 23:56	ALV	7782-49-2		
Sodium, Dissolved	10.	mg/l	1.0	11/20/05 23:56	ALV	7440-23-5		
Strontium, Dissolved	0.14	mg/l	0.0050	11/20/05 23:56	ALV	7440-24-6		
Date Digested	11/15/05 08:00			11/15/05 08:00				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	5.3	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/11/05 00:50	ARH			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	16.	mg/l	5.0	11/14/05 11:00	BMF			

Date: 11/21/05

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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326752
Client Sample ID: 205MD-FILTERED

Project Sample Number: 92107214-005
Matrix: Water
Date Collected: 11/09/05 14:55
Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic, Dissolved	0.035	mg/l	0.0050	11/21/05	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/21/05	ALV	7440-43-9		
Calcium, Dissolved	14.	mg/l	0.10	11/21/05	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/21/05	ALV	7440-47-3		
Iron, Dissolved	3.9	mg/l	0.050	11/21/05	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/21/05	ALV	7439-92-1		
Magnesium, Dissolved	9.0	mg/l	0.10	11/21/05	ALV	7439-95-4		
Manganese, Dissolved	0.042	mg/l	0.0050	11/21/05	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/21/05	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/21/05	ALV	7782-49-2		
Sodium, Dissolved	1.3	mg/l	1.0	11/21/05	ALV	7440-23-5		
Strontium, Dissolved	0.049	mg/l	0.0050	11/21/05	ALV	7440-24-6		
Date Digested	11/15/05 08:00			11/15/05 08:00				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	ND	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	1.9	mg/l	0.10	11/11/05 00:50	ARH			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/14/05 11:00	BMF			

Date: 11/21/05

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Lab Project Number: 92107214
Client Project ID: Plant Scholz

Lab Sample No: 926326760 Project Sample Number: 92107214-006 Date Collected: 11/09/05 16:55
Client Sample ID: 205S-FILTERED Matrix: Water Date Received: 11/10/05 09:30

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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Metals

Dissolved Metals, Trace ICP		Prep/Method: EPA 3010 / EPA 6010						
Arsenic, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7440-38-2		
Cadmium, Dissolved	ND	mg/l	0.0010	11/21/05 00:04	ALV	7440-43-9		
Calcium, Dissolved	0.85	mg/l	0.10	11/21/05 00:04	ALV	7440-70-2		
Chromium, Dissolved	ND	mg/l	0.0020	11/21/05 00:04	ALV	7440-47-3		
Iron, Dissolved	ND	mg/l	0.050	11/21/05 00:04	ALV	7439-89-6		
Lead, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7439-92-1		
Magnesium, Dissolved	0.74	mg/l	0.10	11/21/05 00:04	ALV	7439-95-4		
Manganese, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7439-96-5		
Potassium, Dissolved	ND	mg/l	1.0	11/21/05 00:04	ALV	7440-09-7		
Selenium, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7782-49-2		
Sodium, Dissolved	2.0	mg/l	1.0	11/21/05 00:04	ALV	7440-23-5		
Strontium, Dissolved	ND	mg/l	0.0050	11/21/05 00:04	ALV	7440-24-6		
Date Digested	11/15/05 08:00			11/15/05 08:00				

Mercury, Dissolved by CVAAS	Method: EPA 7470							
Mercury, Dissolved	ND	mg/l	0.00020	11/11/05 12:01	ALV	7439-97-6		

Wet Chemistry

Chloride (Mercuric Nitrate)	Method: EPA 325.2							
Chloride	6.9	mg/l	5.0	11/14/05 11:00	BMF	16887-00-6		
48 Hour NO3 / NO2 / NOX	Method: EPA 353.2							
Nitrate as N	ND	mg/l	0.10	11/11/05 00:50	ARH			
Phosphorus, Total	Method: EPA 365.2							
Phosphorus	ND	mg/l	0.100	11/14/05 10:00	BMF	7723-14-0		
Sulfate, Turbidimetric	Method: EPA 375.4							
Sulfate	ND	mg/l	5.0	11/14/05 11:00	BMF			

Date: 11/21/05

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Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92107214
Client Project ID: Plant Scholz

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142503 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926326711 926326729

METHOD BLANK: 926330978
Associated Lab Samples: 926326711 926326729

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926330986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0027	107	

RIX SPIKE & MATRIX SPIKE DUPLICATE: 926331000 926331018

Parameter	Units	926315375 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0	0.0025	0.0027	0.0026	108	106	2	

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142505 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, Dissolved by CVAAS
Associated Lab Samples: 926326745 926326752 926326760

METHOD BLANK: 926331067
Associated Lab Samples: 926326745 926326752 926326760

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury, Dissolved	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926331075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury, Dissolved	mg/l	0.0025	0.0028	111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331083 926331091

Parameter	Units	926313537 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury, Dissolved	mg/l	0	0.0025	0.0022	0.0023	88	91	4	

QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142609
QC Batch Method: EPA 7470
Associated Lab Samples: 926326737

Analysis Method: EPA 7470
Analysis Description: Mercury, CVAAS, in Water

METHOD BLANK: 926336835
Associated Lab Samples: 926326737

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926336843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0026	105	

IX SPIKE & MATRIX SPIKE DUPLICATE: 926337072 926337080

Parameter	Units	926332495 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0.00005	0.0025	0.0026	0.0028	103	109	5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142509 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Metals by Trace ICP
Associated Lab Samples: 926326711 926326729 926326737

METHOD BLANK: 926331232
Associated Lab Samples: 926326711 926326729 926326737

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0010	
Calcium	mg/l	ND	0.10	
Chromium	mg/l	ND	0.0020	
Iron	mg/l	ND	0.050	
Lead	mg/l	ND	0.0050	
Magnesium	mg/l	ND	0.10	
Manganese	mg/l	ND	0.0050	
Potassium	mg/l	ND	1.0	
Selenium	mg/l	ND	0.0050	
Sodium	mg/l	ND	1.0	
Strontium	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926331240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic	mg/l	0.5000	0.4820	96	
Cadmium	mg/l	0.5000	0.4830	97	
Calcium	mg/l	20.00	19.40	97	
Chromium	mg/l	0.5000	0.4850	97	
Iron	mg/l	20.00	19.30	96	
Lead	mg/l	0.5000	0.4850	97	
Magnesium	mg/l	20.00	19.60	98	
Manganese	mg/l	0.5000	0.4890	98	
Potassium	mg/l	10.00	10.50	105	
Selenium	mg/l	0.5000	0.4870	97	
Sodium	mg/l	10.00	10.48	105	
Strontium	mg/l	0.5000	0.4830	97	

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Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FI NFI AP F87648

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SC 99006
FL NELAP E87627

QUALITY CONTROL DATA

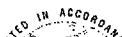
Lab Project Number: 92107214
Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926331257 926331265

Parameter	Units	926315375 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic	mg/l	0	0.5000	0.4770	0.4870	95	97	2	
Cadmium	mg/l	0	0.5000	0.4690	0.4790	94	96	2	
Calcium	mg/l	6.790	20.00	25.30	25.60	93	94	1	
Chromium	mg/l	0	0.5000	0.4780	0.4870	96	97	2	
Iron	mg/l	45.20	20.00	61.00	62.80	79	88	3	1
Lead	mg/l	0	0.5000	0.4790	0.4860	96	97	1	
Magnesium	mg/l	1.570	20.00	20.60	21.00	95	97	2	
Manganese	mg/l	3.390	0.5000	3.640	3.720	50	66	2	1,1
Potassium	mg/l	3.980	10.00	15.20	15.50	112	115	2	
Selenium	mg/l	0.00867	0.5000	0.4840	0.4970	95	98	3	
Sodium	mg/l	6.159	10.00	16.53	16.94	104	108	2	
Strontium	mg/l	0.02090	0.5000	0.5000	0.5070	96	97	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142732 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Dissolved Metals, Trace ICP
Associated Lab Samples: 926326745 926326752 926326760

METHOD BLANK: 926340373
Associated Lab Samples: 926326745 926326752 926326760

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic, Dissolved	mg/l	ND	0.0050	
Cadmium, Dissolved	mg/l	ND	0.0010	
Calcium, Dissolved	mg/l	ND	0.10	
Chromium, Dissolved	mg/l	ND	0.0020	
Iron, Dissolved	mg/l	ND	0.050	
Lead, Dissolved	mg/l	ND	0.0050	
Magnesium, Dissolved	mg/l	ND	0.10	
Manganese, Dissolved	mg/l	ND	0.0050	
Potassium, Dissolved	mg/l	ND	1.0	
Selenium, Dissolved	mg/l	ND	0.0050	
Sodium, Dissolved	mg/l	ND	1.0	
Strontium, Dissolved	mg/l	ND	0.0050	

LABORATORY CONTROL SAMPLE: 926340381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic, Dissolved	mg/l	0.5000	0.4630	93	
Cadmium, Dissolved	mg/l	0.5000	0.4670	93	
Calcium, Dissolved	mg/l	20.00	18.40	92	
Chromium, Dissolved	mg/l	0.5000	0.4690	94	
Iron, Dissolved	mg/l	20.00	18.40	92	
Lead, Dissolved	mg/l	0.5000	0.4530	91	
Magnesium, Dissolved	mg/l	20.00	18.10	90	
Manganese, Dissolved	mg/l	0.5000	0.4720	94	
Potassium, Dissolved	mg/l	10.00	9.240	92	
Selenium, Dissolved	mg/l	0.5000	0.4560	91	
Sodium, Dissolved	mg/l	10.00	8.981	90	
Strontium, Dissolved	mg/l	0.5000	0.4700	94	

Date: 11/21/05

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Asheville Certification IDs
NC Wastewater 40
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FL NELAP E87648

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NC Drinking Water 37706
SC 99006
FL NELAP E87627

QUALITY CONTROL DATA

Lab Project Number: 92107214

Client Project ID: Plant Scholz

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926340399 926340407

Parameter	Units	926326745	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Arsenic, Dissolved	mg/l	0.00308	0.5000	0.4770	0.4780	95	95	0	
Cadmium, Dissolved	mg/l	0	0.5000	0.4700	0.4600	94	92	2	
Calcium, Dissolved	mg/l	30.00	20.00	46.40	46.10	82	80	1	
Chromium, Dissolved	mg/l	0.00109	0.5000	0.4760	0.4660	95	93	2	
Iron, Dissolved	mg/l	32.30	20.00	37.60	39.90	26	38	6	1,1
Lead, Dissolved	mg/l	0	0.5000	0.4630	0.4540	93	91	2	
Magnesium, Dissolved	mg/l	9.370	20.00	27.10	26.80	89	87	1	
Manganese, Dissolved	mg/l	2.730	0.5000	2.950	2.960	44	46	0	1,1
Potassium, Dissolved	mg/l	0.9030	10.00	11.10	10.80	102	99	3	
Selenium, Dissolved	mg/l	0.00431	0.5000	0.4690	0.4630	93	92	1	
Sodium, Dissolved	mg/l	10.15	10.00	20.42	19.76	103	96	3	
Strontium, Dissolved	mg/l	0.1370	0.5000	0.5990	0.5910	92	91	1	

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QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142494 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 48 Hour NO3 / NO2 / NOX
Associated Lab Samples: 926326711 926326729 926326737 926326745 926326752
 926326760

METHOD BLANK: 926330705
Associated Lab Samples: 926326711 926326729 926326737 926326745 926326752 926326760

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Nitrate as N	mg/l	ND	0.10	

LABORATORY CONTROL SAMPLE: 926330713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Nitrate as N	mg/l	5.000	5.200	104	

MATRIX SPIKE: 926330739

Parameter	Units	926326729 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Nitrate as N	mg/l	1.900	5.000	7.350	109	

SAMPLE DUPLICATE: 926330721

Parameter	Units	926326711 Result	DUP Result	RPD	Footnotes
Nitrate as N	mg/l	ND	ND	NC	



Pace Analytical Services, Inc.
9800 Kinsey Avenue, Suite 100
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Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92107214
Client Project ID: Plant Scholz

QC Batch: 142617
QC Batch Method: EPA 375.4
Associated Lab Samples: 926326711 926326729 926326737 926326745 926326752
926326760

Analysis Method: EPA 375.4

Analysis Description: Sulfate, Turbidimetric

METHOD BLANK: 926337148

Associated Lab Samples: 926326711 926326729 926326737 926326745 926326752 926326760

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Sulfate	mg/l	ND	5.0	

LABORATORY CONTROL SAMPLE: 926337155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Sulfate	mg/l	20.00	18.54	93	

MATRIX SPIKE: 926337163

Parameter	Units	926320078 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Sulfate	mg/l	33.53	20.00	49.65	81	

SAMPLE DUPLICATE: 926337171

Parameter	Units	926324989 Result	DUP Result	RPD	Footnotes
Sulfate	mg/l	68.00	70.00	3	

Date: 11/21/05

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Asheville Certification IDs
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9800 Kinsey Avenue, Suite 100
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2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92107214
Client Project ID: Plant Scholz

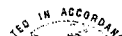
QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D) Laboratory Control Sample (Duplicate)
MS(D) Matrix Spike (Duplicate)
DUP Sample Duplicate
ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit
RPD Relative Percent Difference
[1] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **919236** of

Section A: Required Client Information:

Company: **R.D.H. ENV.**

Address: **5720 POWELL DRIVE**
PAVE FL. 32521

Phone: **850-336-0192** Fax: **850-336-0192**

Requested Due Date/TAT: **STANDARD 10/21/11**

Section B: Required Project Information:

Report To: **LICK HABENDORF**

Copy To:

Purchase Order No.:

Project Name: **PLANT SCHOOL**

Project Number:

Section C: Invoice Information:

Attention:

Company Name: **R.D.H. ENV.**

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #: **4004-3**

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ Other

SITE LOCATION

☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC

☐ OH ☐ SC ☐ WI ☒ OTHER **FL**

ITEM #	Section D Required Client Information												MATRIX CODE	SAMPLE TYPE G-GRAB C-COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								Analysis: Ca Mg Sr Pb Fe Cd Cr Co Mn Hg Se CHLORIDE NITRATE Residual Chlorine (Y/N)	Pace Project Number	Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Additional Comments:

RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITION		
Kelly Habendorf / R.D.H. ENV.			11-9-05	1702	Kelly Habendorf / R.D.H. ENV.			11-9-05	1930	1.4	Y/N	Y/N
											Y/N	Y/N
											Y/N	Y/N
											Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **LICK HABENDORF**

temp in °C: **1.4**

received in ice: **Yes**

sealed cooler: **Yes**

samples intact: **Yes**

Appendix C

ANALYTICAL REPORT

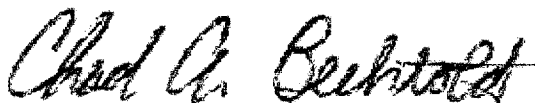
Job Number: 640-4015-1

Job Description: Plant Scholz

For:

RDH Environmental
5720 Dove Drive
Pace, FL 32571

Attention: Ricky Hagendorfer



Chad Bechtold
Project Manager I
cbechtold@stl-inc.com
11/22/2005

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.
Measurement uncertainty data, as referenced in Section 8.6 of the STL Tallahassee LQM, are available upon request.
Florida Department of Health Certification No. E81005
Savannah DOH Certification No. E87052

Severn Trent Laboratories, Inc.

STL Tallahassee 2846 Industrial Plaza Drive, Tallahassee, FL 32301
Tel 850-878-3994 Fax 850-878-9504 www.stl-inc.com

EXECUTIVE SUMMARY - Detections

Client: RDH Environmental

Job Number: 640-4015-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-4015-1	203 MD					
Arsenic		0.0062	I	0.010	mg/L	200.7 Appx C
Calcium		40		0.50	mg/L	200.7 Appx C
Iron		1.5		0.050	mg/L	200.7 Appx C
Magnesium		20		0.50	mg/L	200.7 Appx C
Manganese		0.62		0.010	mg/L	200.7 Appx C
Potassium		0.46	I	1.0	mg/L	200.7 Appx C
Sodium		11	V	1.0	mg/L	200.7 Appx C
Strontium		0.076		0.010	mg/L	200.7 Appx C
Sulfate		26		1.0	mg/L	300.0
Chloride		5.0		1.0	mg/L	300.0
Nitrogen, Nitrate		1.3		0.050	mg/L	353.2
640-4015-2	203 MD - FILTERED					
Arsenic		0.0066	I	0.010	mg/L	200.7 Appx C
Calcium		41		0.50	mg/L	200.7 Appx C
Iron		1.4		0.050	mg/L	200.7 Appx C
Magnesium		21		0.50	mg/L	200.7 Appx C
Manganese		0.63		0.010	mg/L	200.7 Appx C
Potassium		0.47	I	1.0	mg/L	200.7 Appx C
Sodium		11	V	1.0	mg/L	200.7 Appx C
Strontium		0.079		0.010	mg/L	200.7 Appx C
Sulfate		24		1.0	mg/L	300.0
Chloride		4.9		1.0	mg/L	300.0
Nitrogen, Nitrate		1.3		0.050	mg/L	353.2
640-4015-3	203 MD - .45 FILTERED					
Arsenic		0.0072	I	0.010	mg/L	200.7 Appx C
Calcium		39		0.50	mg/L	200.7 Appx C
Iron		1.3		0.050	mg/L	200.7 Appx C
Magnesium		19		0.50	mg/L	200.7 Appx C
Manganese		0.59		0.010	mg/L	200.7 Appx C
Potassium		0.45	I	1.0	mg/L	200.7 Appx C
Sodium		10	V	1.0	mg/L	200.7 Appx C
Strontium		0.073		0.010	mg/L	200.7 Appx C

STL Tallahassee

METHOD SUMMARY

Client: RDH Environmental

Job Number: 640-4015-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
ICP Metals by 200.7 CWA	STL-SAV	40CFR136A	200.7 Appx C
Total Metals Digestion for 200.7	STL-SAV		40CFR136A 200.7 Appx C
Mercury in Water by CVAA	STL-SAV	EPA 245.1	
Digestion for CVAA Mercury in Waters	STL-SAV		EPA 245.1
Anions by Ion Chromatography	STL-TAL	EPA-04	300.0
Nitrogen, Nitrate-Nitrite (Colorimetric, Automated, Cadmium Reduction)	STL-TAL	MCAWW	353.2
Nitrite (Spectrophotometric)	STL-TAL	MCAWW	354.1
Total Phosphorus	STL-TAL	EPA	365.4
Sample Digestion for Total Phosphorous	STL-TAL		MCAWW 365.2/365.3

LAB REFERENCES:

STL-TAL = STL-Tallahassee

STL-SAV = STL-Savannah

METHOD REFERENCES:

40CFR136A - "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA - US Environmental Protection Agency

EPA-04 - "Methods For The Determination Of Inorganic Substances In Environmental Samples", EPA/600/R-93/100, August 1993.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SAMPLE SUMMARY

Client: RDH Environmental

Job Number: 640-4015-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-4015-1	203 MD	Water	11/08/2005 0000	11/09/2005 0905
640-4015-2	203 MD - Filtered	Water	11/08/2005 0000	11/09/2005 0905
640-4015-3	203 MD - .45 Filtered	Water	11/08/2005 0000	11/09/2005 0905

SAMPLE RESULTS

Analytical Data

Client: RDH Environmental

Job Number: 640-4015-1

Client Sample ID: 203 MD

Lab Sample ID: 640-4015-1

Date Sampled: 11/08/2005 0000

Client Matrix: Water

Date Received: 11/09/2005 0905

200.7 Appx C ICP Metals by 200.7 CWA

Method: 200.7 Appx C
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 11/17/2005 1626
Date Prepared: 11/16/2005 1153

Analysis Batch: 680-28783
Prep Batch: 680-28528

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Aluminum	0.030	U	0.030	0.20
Arsenic	0.0062	I	0.0052	0.010
Cadmium	0.0010	U	0.0010	0.0050
Calcium	40		0.050	0.50
Chromium	0.00095	U	0.00095	0.010
Iron	1.5		0.028	0.050
Lead	0.0035	U	0.0035	0.0050
Magnesium	20		0.0098	0.50
Manganese	0.62		0.0020	0.010
Potassium	0.46	I	0.015	1.0
Selenium	0.0054	U	0.0054	0.010
Sodium	11	V	0.30	1.0
Strontium	0.076		0.0015	0.010

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 11/17/2005 1317
Date Prepared: 11/15/2005 1423

Analysis Batch: 680-28690
Prep Batch: 680-28431

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Mercury	0.000080	U	0.000080	0.00020

Analytical Data

Client: RDH Environmental

Job Number: 640-4015-1

Client Sample ID: 203 MD - Filtered

Lab Sample ID: 640-4015-2

Date Sampled: 11/08/2005 0000

Client Matrix: Water

Date Received: 11/09/2005 0905

200.7 Appx C ICP Metals by 200.7 CWA

Method: 200.7 Appx C
Preparation: 200.7 Appx C
Dilution: 1.0
Date Analyzed: 11/17/2005 1631
Date Prepared: 11/16/2005 1153

Analysis Batch: 680-28783
Prep Batch: 680-28528

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Aluminum	0.030	U	0.030	0.20
Arsenic	0.0066	I	0.0052	0.010
Cadmium	0.0010	U	0.0010	0.0050
Calcium	41		0.050	0.50
Chromium	0.00095	U	0.00095	0.010
Iron	1.4		0.028	0.050
Lead	0.0035	U	0.0035	0.0050
Magnesium	21		0.0098	0.50
Manganese	0.63		0.0020	0.010
Potassium	0.47	I	0.015	1.0
Selenium	0.0054	U	0.0054	0.010
Sodium	11	V	0.30	1.0
Strontium	0.079		0.0015	0.010

245.1 Mercury in Water by CVAA

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 11/17/2005 1320
Date Prepared: 11/15/2005 1423

Analysis Batch: 680-28690
Prep Batch: 680-28431

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Mercury	0.000080	U	0.000080	0.00020

Analytical Data

Client: RDH Environmental

Job Number: 640-4015-1

Client Sample ID: 203 MD - .45 Filtered

Lab Sample ID: 640-4015-3

Date Sampled: 11/08/2005 0000

Client Matrix: Water

Date Received: 11/09/2005 0905

200.7 Appx C ICP Metals by 200.7 CWA

Method:	200.7 Appx C	Analysis Batch:	680-28783	Instrument ID:	ICP/AES
Preparation:	200.7 Appx C	Prep Batch:	680-28528	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	11/17/2005 1635			Final Weight/Volume:	50 mL
Date Prepared:	11/16/2005 1153				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Aluminum	0.030	U	0.030	0.20
Arsenic	0.0072	I	0.0052	0.010
Cadmium	0.0010	U	0.0010	0.0050
Calcium	39		0.050	0.50
Chromium	0.00095	U	0.00095	0.010
Iron	1.3		0.028	0.050
Lead	0.0035	U	0.0035	0.0050
Magnesium	19		0.0098	0.50
Manganese	0.59		0.0020	0.010
Potassium	0.45	I	0.015	1.0
Selenium	0.0054	U	0.0054	0.010
Sodium	10	V	0.30	1.0
Strontium	0.073		0.0015	0.010

245.1 Mercury in Water by CVAA

Method:	245.1	Analysis Batch:	680-28690	Instrument ID:	LEEMAN1
Preparation:	245.1	Prep Batch:	680-28431	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	11/17/2005 1521			Final Weight/Volume:	50 mL
Date Prepared:	11/15/2005 1423				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Mercury	0.000080	U	0.000080	0.00020

Analytical Data

Client: RDH Environmental

Job Number: 640-4015-1

General Chemistry**Client Sample ID: 203 MD**

Lab Sample ID: 640-4015-1

Date Sampled: 11/08/2005 0000

Client Matrix: Water

Date Received: 11/09/2005 0905

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Sulfate	26		mg/L	0.064	1.0	1.0	300.0
	Any Batch: 640-12872	Date Analyzed	11/14/2005	1730			
Chloride	5.0		mg/L	0.026	1.0	1.0	300.0
	Any Batch: 640-12872	Date Analyzed	11/14/2005	1730			
Nitrogen, Nitrate	1.3		mg/L	0.013	0.050	1.0	353.2
	Any Batch: 640-12685	Date Analyzed	11/09/2005	1235			
Phosphorus, Total	0.026	U	mg/L	0.026	0.10	1.0	365.4
	Any Batch: 640-12789	Date Analyzed	11/10/2005	1029			
	Prep Batch: 640-12694	Date Prepared:	11/09/2005	1700			

Client Sample ID: 203 MD - Filtered

Lab Sample ID: 640-4015-2

Date Sampled: 11/08/2005 0000

Client Matrix: Water

Date Received: 11/09/2005 0905

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Sulfate	24		mg/L	0.064	1.0	1.0	300.0
	Any Batch: 640-12872	Date Analyzed	11/14/2005	1752			
Chloride	4.9		mg/L	0.026	1.0	1.0	300.0
	Any Batch: 640-12872	Date Analyzed	11/14/2005	1752			
Nitrogen, Nitrate	1.3		mg/L	0.013	0.050	1.0	353.2
	Any Batch: 640-12685	Date Analyzed	11/09/2005	1236			
Phosphorus, Total	0.026	U	mg/L	0.026	0.10	1.0	365.4
	Any Batch: 640-12789	Date Analyzed	11/10/2005	1030			
	Prep Batch: 640-12694	Date Prepared:	11/09/2005	1700			

DATA REPORTING QUALIFIERS

Client: RDH Environmental

Job Number: 640-4015-1

Lab Section	Qualifier	Description
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	V	Indicates the analyte was detected in both the sample and the associated method blank.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected.
	J	Estimated value, results may not be accurate.

QUALITY CONTROL RESULTS

Quality Control Results

Client: RDH Environmental

Job Number: 640-4015-1

Method Blank - Batch: 680-28528

Lab Sample ID: MB 680-28528/19-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2005 1613
Date Prepared: 11/16/2005 1153

Analysis Batch: 680-28783
Prep Batch: 680-28528
Units: mg/L

Method: 200.7 Appx C Preparation: 200.7 Appx C

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Aluminum	0.030	U	0.030	0.20
Arsenic	0.0052	U	0.0052	0.010
Cadmium	0.0010	U	0.0010	0.0050
Calcium	0.050	U	0.050	0.50
Chromium	0.00095	U	0.00095	0.010
Iron	0.028	U	0.028	0.050
Lead	0.0035	U	0.0035	0.0050
Magnesium	0.0098	U	0.0098	0.50
Manganese	0.0020	U	0.0020	0.010
Potassium	0.015	U	0.015	1.0
Selenium	0.0054	U	0.0054	0.010
Sodium	0.46	I	0.30	1.0
Strontium	0.0015	U	0.0015	0.010

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: RDH Environmental

Job Number: 640-4015-1

Laboratory Control/ Laboratory Control Duplicate Recovery Report - Batch: 680-28528

Method: 200.7 Appx C
Preparation: 200.7 Appx C

LCS Lab Sample ID: LCS 680-28528/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2005 1617
Date Prepared: 11/16/2005 1153

Analysis Batch: 680-28783
Prep Batch: 680-28528
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 680-28528/21-C
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2005 1622
Date Prepared: 11/16/2005 1153

Analysis Batch: 680-28783
Prep Batch: 680-28528
Units: mg/L

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Aluminum	99	100	85 - 115	1	20		
Arsenic	97	99	85 - 115	1	20		
Cadmium	99	100	85 - 115	0	20		
Calcium	106	103	85 - 115	3	20		
Chromium	99	101	85 - 115	1	20		
Iron	98	99	85 - 115	0	20		
Lead	98	99	85 - 115	1	20		
Magnesium	99	100	85 - 115	1	20		
Manganese	103	104	85 - 115	1	20		
Potassium	104	104	85 - 115	0	20		
Selenium	96	98	85 - 115	2	20		
Sodium	108	105	85 - 115	3	20		
Strontium	104	105	85 - 115	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: RDH Environmental

Job Number: 640-4015-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 680-28528

Method: 200.7 Appx C
Preparation: 200.7 Appx C

MS Lab Sample ID: 680-10423-B-1-D MS Analysis Batch: 680-28783
Client Matrix: Water Prep Batch: 680-28528
Dilution: 1.0
Date Analyzed: 11/17/2005 1653
Date Prepared: 11/16/2005 1153

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-10423-B-1-E MSD Analysis Batch: 680-28783
Client Matrix: Water Prep Batch: 680-28528
Dilution: 1.0
Date Analyzed: 11/17/2005 1707
Date Prepared: 11/16/2005 1153

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aluminum	107	106	75 - 125	1	20		
Arsenic	103	102	75 - 125	1	20		
Cadmium	99	99	75 - 125	0	20		
Calcium	119	115	75 - 125	0	20		
Chromium	100	99	75 - 125	1	20		
Iron	98	95	75 - 125	2	20		
Lead	102	101	75 - 125	1	20		
Magnesium	104	103	75 - 125	1	20		
Manganese	104	102	75 - 125	1	20		
Potassium	166	163	75 - 125	1	20		
Selenium	105	105	75 - 125	0	20		
Strontium	105	102	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: RDH Environmental

Job Number: 640-4015-1

Method Blank - Batch: 680-28431

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 680-28431/6-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2005 1309
Date Prepared: 11/15/2005 1423

Analysis Batch: 680-28690
Prep Batch: 680-28431
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.000080	U	0.000080	0.00020

Laboratory Control/ Laboratory Control Duplicate Recovery Report - Batch: 680-28431

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 680-28431/7-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2005 1312
Date Prepared: 11/15/2005 1423

Analysis Batch: 680-28690
Prep Batch: 680-28431
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 680-28431/8-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2005 1315
Date Prepared: 11/15/2005 1423

Analysis Batch: 680-28690
Prep Batch: 680-28431
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	101	105	85 - 115	4	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: RDH Environmental

Job Number: 640-4015-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-28431**

**Method: 245.1
Preparation: 245.1**

MS Lab Sample ID: 640-4015-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2005 1336
Date Prepared: 11/15/2005 1423

Analysis Batch: 680-28690
Prep Batch: 680-28431

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-4015-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/17/2005 1339
Date Prepared: 11/15/2005 1423

Analysis Batch: 680-28690
Prep Batch: 680-28431

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	106	101	85 - 115	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: RDH Environmental

Job Number: 640-4015-1

Method Blank - Batch: 640-12872

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 640-12872/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/14/2005 1143
Date Prepared: N/A

Analysis Batch: 640-12872
Prep Batch: N/A
Units: mg/L

Instrument ID: ICA DX 100
Lab File ID: 1K14A5.d
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL

Analyte	Result	Qual	MDL	PQL
Sulfate	0.064	U	0.064	1.0
Chloride	0.026	U	0.026	1.0

Laboratory Control/

Laboratory Control Duplicate Recovery Report - Batch: 640-12872

Method: 300.0
Preparation: N/A

LCS Lab Sample ID: LCS 640-12872/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/14/2005 1227
Date Prepared: N/A

Analysis Batch: 640-12872
Prep Batch: N/A
Units: mg/L

Instrument ID: ICA DX 100
Lab File ID: 1K14A7.d
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL

LCSD Lab Sample ID: LCSD 640-12872/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/14/2005 1248
Date Prepared: N/A

Analysis Batch: 640-12872
Prep Batch: N/A
Units: mg/L

Instrument ID: ICA DX 100
Lab File ID: 1K14A8.d
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Sulfate	108	108	90 - 110	1	30		
Chloride	100	101	90 - 110	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: RDH Environmental

Job Number: 640-4015-1

Method Blank - Batch: 640-12685

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 640-12685/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2005 1216
Date Prepared: N/A

Analysis Batch: 640-12685
Prep Batch: N/A
Units: mg/L

Instrument ID: Lachat QuickChem 8000
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	PQL
Nitrogen, Nitrate	0.013	U	0.013	0.050

Laboratory Control/ Laboratory Control Duplicate Recovery Report - Batch: 640-12685

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 640-12685/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2005 1217
Date Prepared: N/A

Analysis Batch: 640-12685
Prep Batch: N/A
Units: mg/L

Instrument ID: Lachat QuickChem 8000
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

LCSD Lab Sample ID: LCSD 640-12685/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2005 1218
Date Prepared: N/A

Analysis Batch: 640-12685
Prep Batch: N/A
Units: mg/L

Instrument ID: Lachat QuickChem 8000
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Nitrogen, Nitrate	97	96	90 - 110	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: RDH Environmental

Job Number: 640-4015-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-12685

Method: 353.2
Preparation: N/A

MS Lab Sample ID: 640-4015-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2005 1318
Date Prepared: N/A

Analysis Batch: 640-12685
Prep Batch: N/A

Instrument ID: Lachat QuickChem 8000
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 640-4015-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2005 1319
Date Prepared: N/A

Analysis Batch: 640-12685
Prep Batch: N/A

Instrument ID: Lachat QuickChem 8000
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrogen, Nitrate	81	84	90 - 110	1	30	J	J

Matrix Duplicate - Batch: 640-12685

Method: 353.2
Preparation: N/A

Lab Sample ID: 640-4015-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/09/2005 1238
Date Prepared: N/A

Analysis Batch: 640-12685
Prep Batch: N/A
Units: mg/L

Instrument ID: Lachat QuickChem 8000
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Nitrogen, Nitrate	1.3	1.3	1	30	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: RDH Environmental

Job Number: 640-4015-1

Method Blank - Batch: 640-12694

Method: 365.4

Preparation: 365.2/365.3

Lab Sample ID: MB 640-12694/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2005 1019
Date Prepared: 11/09/2005 1700

Analysis Batch: 640-12789
Prep Batch: 640-12694
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	PQL
Phosphorus, Total	0.026	U	0.026	0.10

Laboratory Control/ Laboratory Control Duplicate Recovery Report - Batch: 640-12694

Method: 365.4

Preparation: 365.2/365.3

LCS Lab Sample ID: LCS 640-12694/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2005 1021
Date Prepared: 11/09/2005 1700

Analysis Batch: 640-12789
Prep Batch: 640-12694
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

LCSD Lab Sample ID: LCSD 640-12694/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 11/10/2005 1022
Date Prepared: 11/09/2005 1700

Analysis Batch: 640-12789
Prep Batch: 640-12694
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Phosphorus, Total	96	95	90 - 110	1	40		

Calculations are performed before rounding to avoid round-off errors in calculated results.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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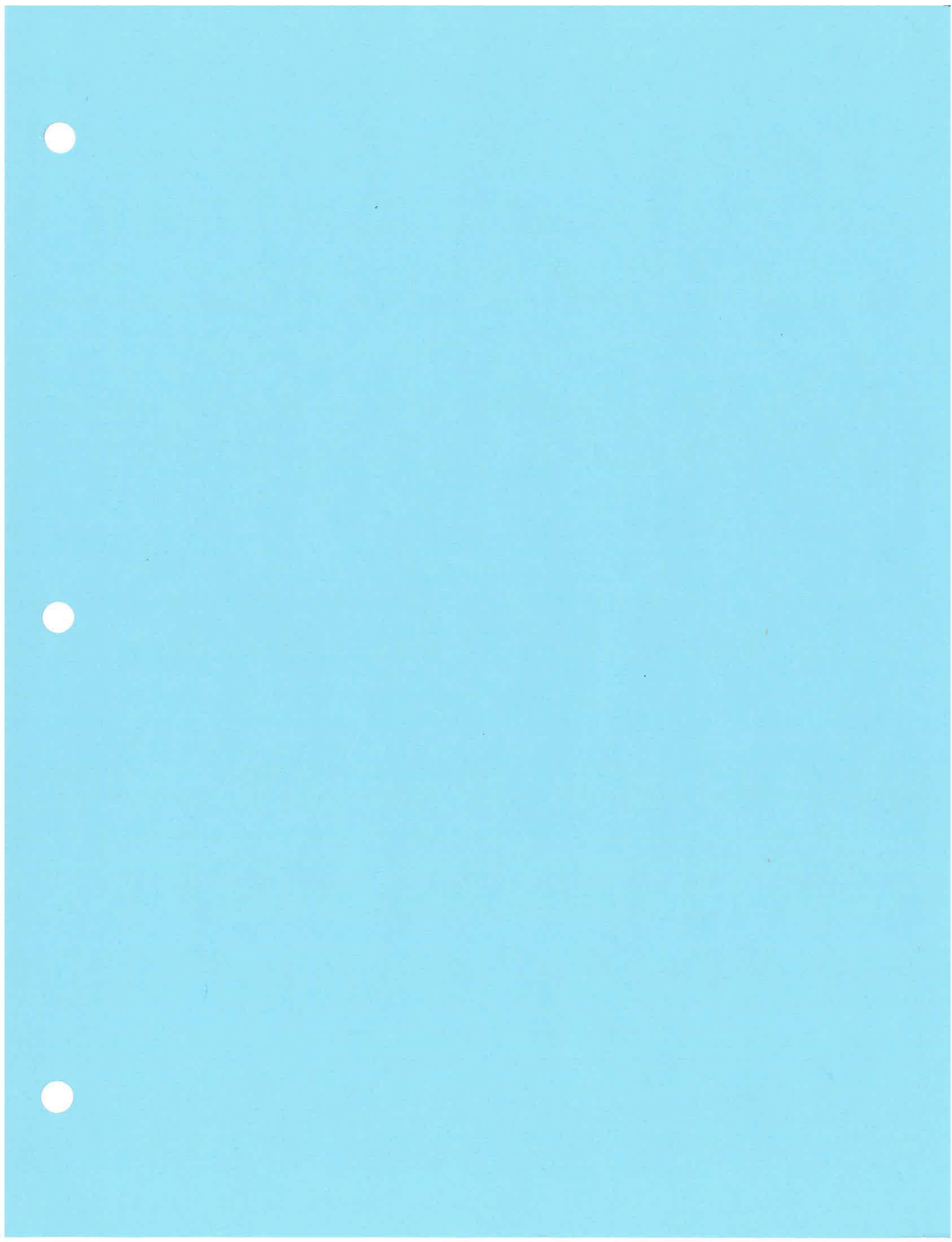
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ANALYTICAL REPORT

PLANT SCHOLZ
SDG #: 5K08263

RDH Environmental

RDH Environmental
5720 Dove Dr
Pace, FL 32571

SEVERN TRENT LABORATORIES, INC.


Patrick J. O'Meara
Project Manager

December 1, 2005

CASE NARRATIVE

5K08263

The following report contains the analytical results for twelve water samples submitted to STL North Canton by RDH Environmental from the Plant Scholz Site. The samples were received November 08, 2005, November 09, 2005, November 10, 2005 and November 11, 2005, according to documented sample acceptance procedures.

This SDG consists of (4) laboratory ID's: A5K080263, A5K090462, A5K100256, and A5K110376.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to RDH Environmental on November 25, 2005. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Patrick J. O'Meara, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 45.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 2.0, 2.9, 6.0, and 7.6°C.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the reparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals</u>
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- for analyses run on TJA Trace ICP, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS (Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.
- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the reparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is repped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be repped and reanalyzed unless there is objective evidence of matrix interference or if the sample concentration is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), North Carolina (#39702), Ohio (#6090), Ohio VAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), Virginia (#00011), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence - Participating Lab Status Award (#82)

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EXECUTIVE SUMMARY - Detection Highlights

5K08263 : ASK080263

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
204S 11/07/05 17:45 003				
Dissolved Arsenic (III)	3.4	2.0	ug/L	SW846 7063
Arsenic (III)	3.2	2.0	ug/L	SW846 7063

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

5K08263 : A5K090462

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
203 MD 11/08/05 15:05 002				
Dissolved Arsenic (V)	4.7	2.0	ug/L	SW846 7063
Arsenic (V)	4.0	2.0	ug/L	SW846 7063
203 MD .45 FILTERED 11/08/05 15:05 003				
Dissolved Arsenic (V)	4.0	2.0	ug/L	SW846 7063

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

5K08263 : A5K100256

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
203S 11/09/05 09:55 001				
Arsenic (III)	3.1	2.0	ug/L	SW846 7063

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

5K08263 : A5K110376

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
ASH POND 11/10/05 09:40 001				
Arsenic (III)	7.6	2.0	ug/L	SW846 7063
Arsenic (V)	79.7	16.0	ug/L	SW846 7063
ASH POND - FILTERED 11/10/05 09:40 002				
Dissolved Arsenic (III)	5.7	2.0	ug/L	SW846 7063
Dissolved Arsenic (V)	62.4	8.0	ug/L	SW846 7063

ANALYTICAL METHODS SUMMARY

SK08263

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Arsenic (III) Speciation by ASV	SW846 7063
Arsenic (V) Speciation by ASV	SW846 7063

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

5K08263 : A5K080263

WO #	SAMPLE#	CLIENT	SAMPLE ID	SAMPLED DATE	SAMP TIME
HPLNT	001	210 MD		11/07/05	11:20
HPLN0	002	204 MD		11/07/05	15:50
HPLN2	003	204S		11/07/05	17:45

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

5K08263 : A5K090462

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
HPR2J	001	212 MD	11/08/05	09:48
HPR2L	002	203 MD	11/08/05	15:05
HPR21	003	203 MD .45 FILTERED	11/08/05	15:05
HPR26	004	110	11/08/05	18:00

NOTE(S) :

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- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

5K08263 : A5K100256

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HPVJP	001	203S	11/09/05	09:55
HPVJQ	002	205MD	11/09/05	14:55
HPVJT	003	205S	11/09/05	16:55

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

5K08263 : A5K110376

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
HP2H3	001	ASH POND	11/10/05	09:40
HP2H4	002	ASH POND - FILTERED	11/10/05	09:40

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

RDH ENVIRONMENTAL

Client Sample ID: 210 MD

General Chemistry

Lot-Sample #....: A5K080263-001 Work Order #....: HPLNT
Date Sampled....: 11/07/05 11:20 Date Received...: 11/08/05

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320573
		Dilution Factor: 1				
Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321471
		Dilution Factor: 1				
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320574
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321475
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: 204 MD

General Chemistry

Lot-Sample #....: A5K080263-002 Work Order #....: HPLNO Matrix.....: WG
Date Sampled....: 11/07/05 15:50 Date Received...: 11/08/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320573
		Dilution Factor: 1				
Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321471
		Dilution Factor: 1				
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320574
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321475
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: 204S

General Chemistry

Lot-Sample #....: ASK080263-003 Work Order #....: HPLN2 Matrix.....: WG
Date Sampled....: 11/07/05 17:45 Date Received...: 11/08/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	3.2	2.0	ug/L	SW846 7063	11/16/05	5320573
		Dilution Factor: 1				
Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321471
		Dilution Factor: 1				
Dissolved Arsenic (III)	3.4	2.0	ug/L	SW846 7063	11/16/05	5320574
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321475
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: 212 MD

General Chemistry

Lot-Sample #....: ASK090462-001 Work Order #....: HPR2J
Date Sampled....: 11/08/05 09:48 Date Received...: 11/09/05

Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320573
		Dilution Factor: 1				
Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321471
		Dilution Factor: 1				
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320574
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321475
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: 203 MD

General Chemistry

Lot-Sample #...: A5K090462-002 Work Order #...: HPR2L Matrix.....: WG
 Date Sampled...: 11/08/05 15:05 Date Received...: 11/09/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320573
		Dilution Factor: 1				
Arsenic (V)	4.0	2.0	ug/L	SW846 7063	11/17/05	5321471
		Dilution Factor: 1				
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320574
		Dilution Factor: 1				
Dissolved Arsenic (V)	4.7	2.0	ug/L	SW846 7063	11/17/05	5321475
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: 203 MD .45 FILTERED

General Chemistry

Lot-Sample #....: A5K090462-003 Work Order #....: HPR21 Matrix.....: WG
 Date Sampled....: 11/08/05 15:05 Date Received...: 11/09/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320574
		Dilution Factor: 1				
Dissolved Arsenic (V)	4.0	2.0	ug/L	SW846 7063	11/17/05	5321475
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: 110

General Chemistry

Lot-Sample #....: A5K090462-004 Work Order #....: HPR26 Matrix.....: WG
Date Sampled....: 11/08/05 18:00 Date Received...: 11/09/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320573
		Dilution Factor: 1				
Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321471
		Dilution Factor: 1				
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320574
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321475
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: 203S

General Chemistry

Lot-Sample #....: A5K100256-001 Work Order #....: HPVJP Matrix.....: WG
Date Sampled....: 11/09/05 09:55 Date Received...: 11/10/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Arsenic (III)	3.1	2.0	ug/L	SW846 7063	11/21/05	5325566
		Dilution Factor: 1				
Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/22/05	5326573
		Dilution Factor: 1				
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/21/05	5325568
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/22/05	5326575
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: 205MD

General Chemistry

Lot-Sample #....: A5K100256-002 Work Order #....: HPVJQ Matrix.....: WG
Date Sampled....: 11/09/05 14:55 Date Received...: 11/10/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/21/05	5325566
		Dilution Factor: 1				
Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/22/05	5326573
		Dilution Factor: 1				
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/21/05	5325568
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/22/05	5326575
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: 205S

General Chemistry

Lot-Sample #...: A5K100256-003 Work Order #...: HPVJT Matrix.....: WG
Date Sampled...: 11/09/05 16:55 Date Received...: 11/10/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/21/05	5325566
		Dilution Factor: 1				
Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/22/05	5326573
		Dilution Factor: 1				
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/21/05	5325568
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/22/05	5326575
		Dilution Factor: 1				

RDH ENVIRONMENTAL

Client Sample ID: ASH POND

General Chemistry

Lot-Sample #....: A5K110376-001 Work Order #....: HP2H3 Matrix.....: WG
 Date Sampled....: 11/10/05 09:40 Date Received...: 11/11/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	7.6	2.0	ug/L	SW846 7063	11/21/05	5325566
			Dilution Factor: 1			
Arsenic (V)	79.7	16.0	ug/L	SW846 7063	11/22/05	5326573
			Dilution Factor: 8			

RDH ENVIRONMENTAL

Client Sample ID: ASH POND - FILTERED

General Chemistry

Lot-Sample #....: A5K110376-002 Work Order #....: HP2H4 Matrix.....: WG
Date Sampled....: 11/10/05 09:40 Date Received...: 11/11/05

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Dissolved Arsenic (III)	5.7	2.0	ug/L	SW846 7063	11/21/05	5325568
			Dilution Factor: 1			
Dissolved Arsenic (V)	62.4	8.0	ug/L	SW846 7063	11/22/05	5326575
			Dilution Factor: 4			

QUALITY CONTROL SECTION

METHOD BLANK REPORT

General Chemistry

Client Lot #...: 5K08263

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Arsenic (III)	ND	Work Order #: HQCW81AA	2.0 ug/L	MB Lot-Sample #: ASK160000-573	11/16/05	5320573
		Dilution Factor: 1		SW846 7063		
Arsenic (III)	ND	Work Order #: HQN9F1AA	2.0 ug/L	MB Lot-Sample #: ASK210000-566	11/21/05	5325566
		Dilution Factor: 1		SW846 7063		
Arsenic (V)	ND	Work Order #: HQFRE1AA	2.0 ug/L	MB Lot-Sample #: ASK170000-471	11/17/05	5321471
		Dilution Factor: 1		SW846 7063		
Arsenic (V)	ND	Work Order #: HQRTJ1AA	2.0 ug/L	MB Lot-Sample #: ASK220000-573	11/22/05	5326573
		Dilution Factor: 1		SW846 7063		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #....: SK08263

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/16/05	5320574
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/17/05	5321475
		Dilution Factor: 1				
Dissolved Arsenic (III)	ND	2.0	ug/L	SW846 7063	11/21/05	5325568
		Dilution Factor: 1				
Dissolved Arsenic (V)	ND	2.0	ug/L	SW846 7063	11/22/05	5326575
		Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: 5K08263

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Arsenic (III)	99	Work Order #: HQCW81AC (25 - 130)	LCS Lot-Sample#: A5K160000-573 SW846 7063	11/16/05	5320573
		Dilution Factor: 1			
Arsenic (III)	98	Work Order #: HQN9F1AC (25 - 130)	LCS Lot-Sample#: A5K210000-566 SW846 7063	11/21/05	5325566
		Dilution Factor: 1			
Arsenic (V)	80	Work Order #: HQFRE1AC (25 - 130)	LCS Lot-Sample#: A5K170000-471 SW846 7063	11/17/05	5321471
		Dilution Factor: 1			
Arsenic (V)	76	Work Order #: HORTJ1AC (25 - 130)	LCS Lot-Sample#: A5K220000-573 SW846 7063	11/22/05	5326573
		Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: 5K08263

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Dissolved Arsenic (III)	99	(25 - 130)	SW846 7063 Dilution Factor: 1	11/16/05	5320574
Dissolved Arsenic (V)	80	(25 - 130)	SW846 7063 Dilution Factor: 1	11/17/05	5321475
Dissolved Arsenic (III)	98	(25 - 130)	SW846 7063 Dilution Factor: 1	11/21/05	5325568
Dissolved Arsenic (V)	76	(25 - 130)	SW846 7063 Dilution Factor: 1	11/22/05	5326575

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: 5K08263

Matrix.....: WG

Date Sampled...: 11/09/05 14:55 Date Received...: 11/10/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Arsenic (III)			WO#:		HPLNT1AF-MS/HPLNT1AG-MSD	MS Lot-Sample #:	A5K080263-001
	109	(25 - 130)			SW846 7063	11/16/05	5320573
	122	(25 - 130)	12	(0-50)	SW846 7063	11/16/05	5320573
					Dilution Factor: 1		
Arsenic (III)			WO#:		HPVJPIAF-MS/HPVJPIAG-MSD	MS Lot-Sample #:	A5K100256-001
	94	(25 - 130)			SW846 7063	11/21/05	5325566
	114	(25 - 130)	17	(0-50)	SW846 7063	11/21/05	5325566
					Dilution Factor: 1		
Arsenic (V)			WO#:		HPLNT1AK-MS/HPLNT1AL-MSD	MS Lot-Sample #:	A5K080263-001
	73	(25 - 130)			SW846 7063	11/17/05	5321471
	77	(25 - 130)	5.2	(0-50)	SW846 7063	11/17/05	5321471
					Dilution Factor: 1		
Arsenic (V)			WO#:		HPVJQ1AF-MS/HPVJQ1AG-MSD	MS Lot-Sample #:	A5K100256-002
	74	(25 - 130)			SW846 7063	11/22/05	5326573
	90	(25 - 130)	20	(0-50)	SW846 7063	11/22/05	5326573
					Dilution Factor: 1		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: 5K08263

Matrix.....: WG

Date Sampled...: 11/09/05 14:55 Date Received...: 11/10/05

PARAMETER	PERCENT RECOVERY	RPD LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Dissolved Arsenic (III)		WO#: HPLNT1AH-MS/HPLNT1AJ-MSD			MS Lot-Sample #: A5K080263-001	
	94	(25 - 130)		SW846 7063	11/16/05	5320574
	103	(25 - 130)	9.1 (0-50)	SW846 7063	11/16/05	5320574
		Dilution Factor: 1				
Dissolved Arsenic (V)		WO#: HPLNT1AM-MS/HPLNT1AN-MSD			MS Lot-Sample #: A5K080263-001	
	89	(25 - 130)		SW846 7063	11/17/05	5321475
	92	(25 - 130)	3.8 (0-50)	SW846 7063	11/17/05	5321475
		Dilution Factor: 1				
Dissolved Arsenic (III)		WO#: HPVJ1AH-MS/HPVJ1AJ-MSD			MS Lot-Sample #: A5K100256-001	
	97	(25 - 130)		SW846 7063	11/21/05	5325568
	106	(25 - 130)	8.3 (0-50)	SW846 7063	11/21/05	5325568
		Dilution Factor: 1				
Dissolved Arsenic (V)		WO#: HPVJQ1AH-MS/HPVJQ1AJ-MSD			MS Lot-Sample #: A5K100256-002	
	72	(25 - 130)		SW846 7063	11/22/05	5326575
	72	(25 - 130)	0.69 (0-50)	SW846 7063	11/22/05	5326575
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

FL-4124 (0901)



STL

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[illegible]

Possible Hazard Identification										Sample Disposal									
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ Return To Client	☐ Disposal By Lab	☐ Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)											
Turn Around Time Required																			

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Stumped

1. Relinquished By	Date	Time
<i>[Signature]</i>	11-7-05	
2. Relinquished By	Date	Time
3. Relinquished By	Date	Time
Comments:		

QC Requirements (Specify)

1. Received By	<i>[Signature]</i>	Date	11/8/05	Time	1015
2. Received By		Date		Time	
3. Received By		Date		Time	

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

STL Cooler Receipt Form/Narrative

Lot Number:

152680203

North Canton Facility

Client: R07Project: Plant

Quote#:

Cooler Received on: 11/8/05Opened on: 11/8/05by: [Signature] (Signature)Fedx ☒ Client Drop Off ☐ UPS ☐DHL ☐ FAS ☐ STL Courier ☐Stetson ☐ US Cargo ☐

Other:

STL Cooler No#

Foam Box ☐Client Cooler ☒

Other

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒

If YES, Quantity

Were the custody seals signed and dated?

Yes ☐ No ☐ NA ☒

2. Shipper's packing slip attached to this form?

Yes ☒ No ☐ NA ☐3. Did custody papers accompany the samples? Yes ☒ No ☐Relinquished by client? Yes ☒ No ☐

4. Did you sign the custody papers in the appropriate place?

Yes ☒ No ☐5. Packing material used: Bubble Wrap ☐ Foam ☐ None ☒

Other:

6. Cooler temperature upon receipt 7.6 °C (see back of form for multiple coolers/temp)METHOD: Temp Vial ☐Coolant & Sample ☐Against Bottles ☐IR ☒ICE/H₂O Slurry ☐COOLANT: Wet Ice ☐Blue Ice ☐Dry Ice ☐Water ☒None ☐

7. Did all bottles arrive in good condition (Unbroken)?

Yes ☒ No ☐

8. Could all bottle labels and/or tags be reconciled with the COC?

Yes ☒ No ☐

9. Were samples at the correct pH? (record below/on back)

Yes ☒ No ☐ NA ☐

10. Were correct bottles used for the tests indicated?

Yes ☒ No ☐

11. Were air bubbles >6 mm in any VOA vials?

Yes ☐ No ☐ NA ☒

12. Sufficient quantity received to perform indicated analyses?

Yes ☒ No ☐13. Was a Trip Blank present in the cooler? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒14. Does the trip blank number match the cooler number in which it was received? Yes ☐ No ☐ NA ☒Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning:

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot # 091305-HNO₃; Sulfuric Acid Lot # 041305-H₂SO₄; Sodium Hydroxide Lot # -041305 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH₃COO₂ZN/NaOH

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials
210 AD	2.2	11/8/05	JTB
204 AD	2.2		
204 S	2.2		
204 S Filtered	2.2		

[illegible][illegible]

1. The first part of the document is a header section containing the following information:

- Page Number: 1
- Date: 10/10/2010
- Time: 10:10
- Location: 1010

2. The second part of the document is a table with the following columns:

Item	Quantity	Unit	Price	Total
1.000	1.000	1.000	1.000	1.000
2.000	2.000	2.000	2.000	2.000
3.000	3.000	3.000	3.000	3.000
4.000	4.000	4.000	4.000	4.000
5.000	5.000	5.000	5.000	5.000
6.000	6.000	6.000	6.000	6.000
7.000	7.000	7.000	7.000	7.000
8.000	8.000	8.000	8.000	8.000
9.000	9.000	9.000	9.000	9.000
10.000	10.000	10.000	10.000	10.000

3. The third part of the document is a footer section containing the following information:

- Page Number: 1
- Date: 10/10/2010
- Time: 10:10
- Location: 1010

STL Cooler Receipt Form/Narrative

North Canton Facility

Lot Number: ASK090462

Client: STL Tobacco

Project: _____

Quote#: _____

Cooler Received on: 11-9-05

Opened on: 11-9-05

by: Adam Zimm (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐

DHL ☐ FAS ☐ STL Courier ☐

Stetson ☐ US Cargo ☐

Other: _____

STL Cooler No# _____

Foam Box ☐

Client Cooler ☒

Other _____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒

If YES, Quantity _____

Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒

2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐

3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐

4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐

5. Packing material used: Bubble Wrap ☐ Foam ☐ None ☒ Other: _____

6. Cooler temperature upon receipt 6.0 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H₂O Slurry ☐

COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐

8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐

9. Were samples at the correct pH? (record below/on back) Yes ☒ No ☐ NA ☐

10. Were correct bottles used for the tests indicated? Yes ☒ No ☐

11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒

12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐

13. Was a Trip Blank present in the cooler? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒

14. Does the trip blank number match the cooler number in which it was received? Yes ☐ No ☐ NA ☒

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning: _____

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot # 091305-HNO₃; Sulfuric Acid Lot # 041305-H₂SO₄; Sodium Hydroxide Lot # -041305 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH₃COO₂ZN/NaOH

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials
212 MD	2.2	11-9-05	AS
212 MD Filtered	2.2		
203 MD Filtered	2.2		
203 MD .45 Filtered	2.2		

[illegible][illegible]

Discrepancies Cont.	

:TL-4124 (0901)

Client

STL

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Sample I.D. No. and Description
(Containers for each sample may be combined on one line)

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client☐ **Disposal By Lab**☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other STANDARD

QC Requirements (Specify)

1. Relinquished By

Date	Time
11-9-05	1730

1. Received By	<i>[Signature]</i>
2. Received By	

2. Relinquished By

Date	Time
------	------

3. Relinquished By

Date _____ Time _____

3. Received By

Comments

DISTRIBUTION: WHITE - Returned to Client with Report, CANARY - Stays with the Sample, PINK - Field Copy

STL. North Canton

STL Cooler Receipt Form/Narrative

Lot Number: ASX100550

North Canton Facility

Client: RDH EnvironmentalProject: Plant Scholz

Quote#:

Cooler Received on: 11-10-05Opened on: 11-10-05by: [Signature] (Signature)Fedx ☒ Client Drop Off ☐ UPS ☐DHL ☐ FAS ☐ STL Courier ☐Stetson ☐ US Cargo ☐

Other:

STL Cooler No#

Foam Box ☐Client Cooler ☒

Other

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒

If YES, Quantity

Were the custody seals signed and dated?

Yes ☐ No ☐ NA ☒

2. Shipper's packing slip attached to this form?

Yes ☒ No ☐ NA ☐3. Did custody papers accompany the samples? Yes ☒ No ☐Relinquished by client? Yes ☒ No ☐

4. Did you sign the custody papers in the appropriate place?

Yes ☒ No ☐5. Packing material used: Bubble Wrap ☐ Foam ☐ None ☒

Other:

6. Cooler temperature upon receipt 20 °C (see back of form for multiple coolers/temp)METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H₂O Slurry ☐COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)?

Yes ☒ No ☐

8. Could all bottle labels and/or tags be reconciled with the COC?

Yes ☒ No ☐

9. Were samples at the correct pH? (record below/on back)

Yes ☒ No ☐ NA ☐

10. Were correct bottles used for the tests indicated?

Yes ☒ No ☐

11. Were air bubbles >6 mm in any VOA vials?

Yes ☐ No ☐ NA ☒

12. Sufficient quantity received to perform indicated analyses?

Yes ☒ No ☐13. Was a Trip Blank present in the cooler? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒14. Does the trip blank number match the cooler number in which it was received? Yes ☐ No ☐ NA ☒Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning:

✓

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot # 091305-HNO₃; Sulfuric Acid Lot # 041305-H₂SO₄; Sodium Hydroxide Lot # -041305 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH₃COO₂ZN/NaOH

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials
203 S	<2	11-10-05	SSF
205 MID	<2		
205 S	<2		
203 S - Filtered	<2		

[illegible]

Discrepancies Cont.	

STL Cooler Receipt Form/Narrative

Lot Number: A5K11037L

North Canton Facility

Client: CDH Project: Plant Quote# 01500
 Cooler Received on: 11/11/05 Opened on: 11/11/05 by: [Signature]
 Fedx ☒ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ STL Courier ☐
 Stetson ☐ US Cargo ☐ Other: _____
 STL Cooler No# _____ Foam Box ☐ Client Cooler ☒ Other _____
 1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
 If YES, Quantity _____
 Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒
 2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
 3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
 4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
 5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other: _____
 6. Cooler temperature upon receipt 2.9 °C (see back of form for multiple coolers/temp)
 METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H₂O Slurry ☐
 COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
 7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
 8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
 9. Were samples at the correct pH? (record below/on back) Yes ☒ No ☐ NA ☐
 10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
 11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
 12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
 13. Was a Trip Blank present in the cooler? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒
 14. Does the trip blank number match the cooler number in which it was received? Yes ☐ No ☐ NA ☒
 Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
 Concerning: _____

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). Nitric Acid Lot # 091305-HNO₃; Sulfuric Acid Lot # 041305-H₂SO₄; Sodium Hydroxide Lot # -041305 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH₃COO₂ZN/NaOH
 Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials
<u>CDH</u>	<u>2.2</u>	<u>11/11/05</u>	<u>JSB</u>
<u>2 Filtered</u>	<u>2.2</u>		

[illegible][illegible][illegible]

END OF REPORT