

APPENDIX B
DRAFT SUMMARY REPORT
TASK FORCE UNWATERING
WATER SAMPLING AND ANALYSIS – TASK 2
PLAQUEMINES PARISH, LOUISIANA

December 2005

**DRAFT SUMMARY REPORT
TASK FORCE UNWATERING
WATER SAMPLING AND ANALYSIS – TASK 2
PLAQUEMINES PARISH, LOUISIANA**

Prepared for



**US Army Corps
of Engineers®**

New Orleans District

**Under Contract to
U.S. Army Corps of Engineers – New Orleans District
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DACW29-03-D-0014 Task Order #0014**

By

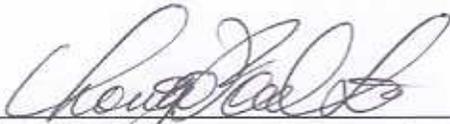


Materials Management Group, Inc.

Summary Report
for the

Task Force Unwatering
Water Sampling and Analysis – Task 2
Plaquemines Parish, Louisiana

Approval Page



Materials Management Group, Inc.
C. Paul Lo, Project Manager/Chemist



Materials Management Group, Inc.
Karly Gibbs, Environmental Scientist

USACE-NOD
Contracting Officer Representative

USACE-MVN
Technical Representative

USACE -MVN
Technical Representative

USACE-MVN
Technical Representative

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Executive Summary

On behalf of the U.S. Army Corps of Engineers (USACE) New Orleans District (MVN), Materials Management Group, Inc. (MMG) has implemented a water sampling and analysis program in support of emergency dewatering activities in the area. The sampling was conducted under Contract Number DACW29-03-D-0014, Task Order Number 14. The sampling program was designated Task 2 under the task order, and involved sampling surface water at 18 permanent pumping stations in Plaquemines Parish twice weekly for a four-week period.

The scope of work included collecting one sample at each pumping station during each sample event (two samples each week at 18 locations for 36 total primary samples each week). The samples were collected from either the pumping station intake or outlet, depending on pumping activity (when pumping was occurring, the outlet was sampled; the intake was sampled during times of no pumping). The samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals, total petroleum hydrocarbons (TPHs) – gasoline (TPH-G), diesel (TPH-D), and oil (TPH-O) ranges, total suspended solids (TSS), total organic carbon (TOC), ammonia, biological oxygen demand (BOD), chemical oxygen demand (COD), oil & grease, and pH.

The analytical results indicated that pesticides, herbicides, and TPH-G were not detected. Various VOCs and SVOCs were estimated at a concentration above the method detection limit but below the reporting limit (J-flagged data). TPH-D was consistently present in low levels. TPH-O was detected only at some of the pumping stations, and typically only during the first sampling events. All metals were detected at some point with the exception of beryllium. Silver and zinc were the only metals with occasional concentrations above the benchmarks and a J-flagged concentration of cadmium exceeded the benchmark, although the reporting limits for copper and silver exceeded the benchmarks. Finally, of the conventional discharge parameters, ammonia, COD, and cyanide concentrations were consistently above the applicable Federal and State water quality criteria. TSS, BOD, oil & grease, and pH were each detected above the benchmarks at some point.

Based on the analytical results, there are no major concerns with contaminants in the discharge water. COD and ammonia are the only parameters consistently detected above the benchmarks. The COD concentrations are likely associated with naturally occurring humus material. The ammonia is likely associated with degradation of biological material (although not sewage since the BOD is low). The analytical results from the pumping station water sampling program do not suggest that any corrective action is necessary for the discharge water. MMG recommends that pumping operations continue with no changes or treatment.

1.0 Project Background

Under U.S. Army Corps of Engineers (USACE) New Orleans District (MVN) Contract Number DACW29-03-D-0014, Task Order Number 14 – Task 2, Materials Management Group, Inc. (MMG) has implemented a sampling and analysis program of surface water at 18 permanent pumping stations in Plaquemines Parish. The sampling program consisted of sampling at each location twice weekly for a four-week period, and was implemented in support of USACE Task Force Unwatering activities. Floodwater resulting from Hurricanes Katrina and Rita is being discharged to Barataria Bay and the Gulf of Mexico through the pumping stations. The sampling program will provide information about whether contaminants are present in the discharge water and whether contaminant concentrations exceed Federal and State benchmarks that are protective of human health and the environment. The scope of work under Task Order 14 Task 2 included sampling and analysis of surface water at pump station intakes or outlets (depending on pump activity) at each of 18 pumping stations (in 15 locations) and evaluating the results with regard to Federal and/or State benchmarks. Project-specific data has been entered on the Monitoring Station Data Template provided by the USACE. This spreadsheet has been provided in soft copy only (on the CD provided with the report).

2.0 Summary of Field Activities

The field activities completed under Task Order 14, Task 2 included:

- Collecting one sample at each location two times each week for a four-week period. Samples were collected from the pump outlet during pumping, and from the intake when pumping was not occurring. One of the weekly sample events coincided with a rainfall event (when possible). The appropriate quality assurance/quality control (QA/QC) samples were collected based on the overall number of samples collected. The total number of primary samples collected was 144;
- Sending the samples for analysis for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, herbicides, polychlorinated biphenyls (PCBs), target analyte list (TAL) metals, total petroleum hydrocarbons (TPHs) – gasoline (TPH-G), diesel (TPH-D), and oil (TPH-O) ranges, total suspended solids (TSS), total organic carbon (TOC), ammonia, biological oxygen demand (BOD), chemical oxygen demand (COD), and oil & grease;
- Analyzing the pH of each sample in the field.

2.1 Schedule

Samples were collected from the 18 pumping stations on the following dates (generally the Tuesday and Thursday of each week starting the week of October 24, 2005. Sampling ended November 22, 2005 – see Exceptions and Deviations): October 25th and 27th, and November 1st, 3rd, 8th, 10th, 15th, and 22nd.

2.2 Water Sampling

MMG formed two teams consisting of a Chemist/Environmental Scientist and a Sample Technician to conduct the water sampling. One team visited the pumping stations on the east bank of the Mississippi River (East Bank) and the other visited the stations on the west bank of the river (West Bank). MMG collected the samples from the bank near the water's edge using a five-gallon bucket on a rope. The bucket was lowered into the water near the pump intake or outlet (as indicated in Table 20). The intake area was sampled if pumping was not occurring. When pumping was underway, MMG sampled near the outlet. Care was taken not to disturb the sediment in each location so that samples would be representative of water conditions. Sample containers were filled from the five-gallon bucket. The pH and temperature were measured in each sample location using an Oakton pH/temperature/conductivity meter. The pH meter was calibrated using a standard solution prior to initiating sampling each day.

2.3 Exceptions and Deviations

The water sampling activities were carried out as indicated in the work plans with the following exceptions/deviations:

- The final sampling event was originally scheduled for November 17, 2005 (to complete the fourth week of sampling). However, in order to conduct the final water sampling subsequent to sediment sampling at each pumping station (for data comparison for fate and transport, etc.), the sampling was actually conducted on November 22, 2005.

3.0 Evaluation of Results

The analytical results from the Task 2 water sampling activities are summarized along with applicable water quality criteria in Tables 1-19 (the tables are separated into sample results for each pumping station). The results for each pumping station are summarized below. Briefly, all of the sample results are non-detect for pesticides, herbicides, and TPH-G. Various VOCs and SVOCs were estimated at a concentration above the method detection limit but below the reporting limit (J-flagged data). TPH-D was consistently present in low levels. TPH-O was detected only at some of the pumping stations, and typically only during the first sampling events. All metals were detected at some point with the exception of beryllium. Silver and zinc were the only metals with occasional concentrations above the benchmarks and a J-flagged concentration of cadmium exceeded the benchmark, although the reporting limits for copper and silver exceeded the benchmarks. Finally, of the conventional discharge parameters, ammonia, COD, and cyanide concentrations were consistently above the applicable Federal and State water quality criteria. TSS, BOD, oil & grease, and pH were each detected above the benchmarks at some point.

Belle Chasse 1

The analytical results indicate J-flagged data for VOCs (methylene chloride) and SVOCs (bis(2-ethylhexyl)phthalate and di-n-butyl phthalate). TPH-D was detected during the first two and final sampling events; TPH-O was detected only during the first two events. All metals were detected except beryllium, cadmium, cobalt, copper, mercury, and silver; no metals were detected above the benchmarks. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. TSS, BOD, oil & grease, and pH concentrations were acceptable.

Belle Chasse 2

The analytical results indicate J-flagged data for VOCs (acetone, carbon disulfide, and methylene chloride) and SVOCs (dimethylphthalate, bis(2-ethylhexyl)phthalate and di-n-butyl phthalate). TPH-D decreased after the first two sampling events and remained consistently low; TPH-O was detected only during the first two events. All metals were detected except antimony, arsenic, beryllium, cadmium, copper, mercury, and silver; no metals were detected above the benchmarks. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. TSS, BOD, oil & grease, and pH concentrations were acceptable.

Braithwaite

The analytical results indicate J-flagged data for VOCs (methylene chloride) and SVOCs (bis(2-ethylhexyl)phthalate and di-n-butyl phthalate). TPH-D and TPH-O were consistently low. All metals were detected except antimony, beryllium, cadmium, copper, mercury, nickel, silver, and thallium; no metals were detected above the benchmarks. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. There were a few TSS concentrations above the benchmark. BOD, oil & grease, and pH concentrations were acceptable.

Scarsdale

The analytical results indicate J-flagged data for SVOCs only (bis(2-ethylhexyl)phthalate and di-n-butyl phthalate). TPH-D was consistently low; TPH-O was detected only during the first two events. All metals were detected except beryllium, cadmium, copper, mercury, silver, and thallium; no metals were detected above the benchmarks. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. TSS, BOD, and pH concentrations were acceptable. The first oil & grease concentration exceeded the benchmark, then was not detected the remaining sample events.

Bellevue

The analytical results indicate J-flagged data for VOCs (methylene chloride) and SVOCs (bis(2-ethylhexyl)phthalate and di-n-butyl phthalate). In addition, bis(2-ethylhexyl)phthalate was detected during one sample event. TPH-D and TPH-O were consistently up and down. All metals were detected except antimony, beryllium, chromium, copper, mercury, nickel, selenium, silver, and thallium; zinc was detected above the benchmark during one sample event. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. One TSS

concentration exceeded the benchmark. The first two oil & grease concentrations exceeded the benchmark. BOD and pH concentrations were acceptable.

Point a la Hache

The analytical results indicate J-flagged data for VOCs (methylene chloride) and SVOCs (bis(2-ethylhexyl)phthalate and di-n-butyl phthalate). In addition, bis(2-ethylhexyl)phthalate was detected (not J-flagged) twice. TPH-D and TPH-O were detected at high concentrations during the first two events; the concentrations then dropped significantly. All metals were detected except beryllium, mercury, and thallium; silver and zinc were detected above the benchmarks. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. The first two TSS concentrations exceeded the benchmark. The first few oil & grease concentrations also exceeded the benchmark. BOD and pH concentrations were acceptable.

Ollie 1

The analytical results indicate J-flagged data for VOCs (methylene chloride) and SVOCs (bis(2-ethylhexyl)phthalate, fluoranthene, and pyrene). TPH-D and TPH-O concentrations decreased over time. All metals were detected except arsenic, beryllium, cadmium, cobalt, copper, mercury, nickel, selenium, silver, and thallium; no metals were detected above the benchmarks. All ammonia and cyanide concentrations and most COD concentrations exceeded the benchmarks. Two TSS concentrations exceeded the benchmark. BOD, oil & grease, and pH concentrations were acceptable.

Ollie 2

The analytical results indicate J-flagged data for VOCs only (methylene chloride and trichloroethene). TPH-D was consistently low; TPH-O was detected only during the first two events. All metals were detected except arsenic, beryllium, cadmium, chromium, copper, mercury, nickel, selenium, silver, and thallium; no metals were detected above the benchmarks. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. TSS, BOD, oil & grease, and pH concentrations were acceptable.

Ollie 3

The analytical results indicate J-flagged data for VOCs (methylene chloride and trichloroethene) and SVOCs (di-n-butyl phthalate and fluoranthene). In addition, bis(2-ethylhexyl) phthalate was detected above the reporting limit on two occasions. TPH-D was consistently low; TPH-O was detected only during the first two events. All metals were detected except arsenic, beryllium, cadmium, cobalt, copper, mercury, nickel, silver, and thallium; no metals were detected above the benchmarks. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. One TSS concentration exceeded the benchmark. BOD, oil & grease, and pH concentrations were acceptable.

West Point a la Hache

The analytical results indicate J-flagged data for VOCs (bromodichloromethane, bromoform, chloroform, dibromochloromethane, and methylene chloride) and SVOCs (bis(2-ethylhexyl)phthalate and dimethylphthalate). In addition, bis(2-ethylhexyl)phthalate was detected above the reporting limit on one occasion. TPH-D was detected at low concentrations during later sampling events; TPH-O was detected only once. All metals were detected except antimony, arsenic, beryllium, cadmium, copper, nickel, silver, and thallium; no metals were detected above the benchmarks. All ammonia and cyanide concentrations and all but COD concentration exceeded the benchmarks. Most of the later TSS concentrations exceeded the benchmark. One BOD and one pH concentration exceeded the benchmarks. Oil & grease was not detected.

Diamond

The analytical results indicate J-flagged data for VOCs (methylene chloride) and SVOCs (acenaphthene, bis(2-ethylhexyl)phthalate, and di-n-butyl phthalate). TPH-D was detected only during last two sampling events; TPH-O was not detected. All metals were detected except antimony, arsenic, beryllium, chromium, copper, mercury, silver, and thallium; no metals were detected above the benchmarks. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. TSS, BOD, and pH concentrations were acceptable. Oil & grease was not detected.

Diamond – duplicate sample

The analytical results indicate J-flagged data for VOCs (methylene chloride) and SVOCs (di-n-butyl phthalate). TPH-D was detected at low concentrations during later sampling events; TPH-O was not detected. All metals were detected except arsenic, beryllium, copper, mercury, selenium, and thallium; silver and zinc were detected above the benchmarks on one occasion. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. TSS, BOD, and pH concentrations were acceptable. Oil & grease was not detected.

Hayes

The analytical results indicate J-flagged data for VOCs (chloroform and methylene chloride), SVOCs (di-n-butyl phthalate), and PCBs (Arochlor-1254). TPH-D was consistently detected at low concentrations; TPH-O was detected only during the last sampling event. All metals were detected except antimony, beryllium, cadmium, copper, mercury, and nickel; silver was detected above the benchmark on one occasion. All ammonia and cyanide concentrations and all but one COD concentration exceeded the benchmarks. TSS, BOD, and pH concentrations were acceptable. Oil & grease was not detected.

Gainard Woods

The analytical results indicate J-flagged data for VOCs (chloroform and methylene chloride) and SVOCs (bis(2-ethylhexyl)phthalate, di-n-butyl phthalate, fluoranthene, phenanthrene, and pyrene). TPH-D was consistently detected at

low concentrations; TPH-O was not detected. All metals were detected except arsenic, beryllium, cadmium, chromium, copper, mercury, selenium, and thallium; silver was detected above the benchmark on three occasions. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. TSS concentrations exceeded the benchmark during the first half of the sampling events. BOD and pH concentrations were acceptable. Oil & grease was not detected.

Sunrise 1

The analytical results indicate J-flagged data for VOCs (carbon disulfide, methylene chloride, and trichloroethene) and SVOCs (di-n-butyl phthalate, bis(2-ethylhexyl)phthalate, fluoranthene, and pyrene). TPH-D was detected only twice; TPH-O was not detected. All metals were detected except antimony, arsenic, beryllium, chromium, copper, mercury, nickel, and thallium; silver was detected above the benchmark on two occasions. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. Approximately one-half of the TSS concentrations exceeded the benchmark. BOD and pH concentrations were acceptable. Oil & grease was not detected.

Sunrise 2

The analytical results indicate J-flagged data for VOCs (carbon disulfide, methylene chloride, and toluene) and SVOCs (di-n-butyl phthalate, dimethylphthalate, bis(2-ethylhexyl)phthalate, fluoranthene, and pyrene). TPH-D was detected only twice; TPH-O was not detected. All metals were detected except antimony, arsenic, beryllium, chromium, copper, mercury, and thallium; cadmium (J-flagged) and silver were detected above the benchmarks. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. Three TSS concentrations exceeded the benchmark. BOD and pH concentrations were acceptable. Oil & grease was not detected.

Triumph

The analytical results indicate J-flagged data for VOCs (methylene chloride and trichloroethene) and SVOCs (di-n-butyl phthalate and dimethylphthalate). TPH-D was detected at low concentrations; TPH-O was detected once. All metals were detected except antimony, arsenic, beryllium, chromium, copper, mercury, and thallium; silver was detected above the benchmark on two occasions. All COD, ammonia, and cyanide concentrations exceeded the benchmarks. TSS exceeded the benchmark once. BOD and pH concentrations were acceptable. Oil & grease was not detected.

Duvic

The analytical results indicate J-flagged data for VOCs (methylene chloride) and SVOCs (di-n-butyl phthalate and dimethylphthalate). TPH-D was consistently detected at low concentrations; TPH-O was detected once. All metals were detected except antimony, arsenic, beryllium, copper, mercury, and thallium; silver was detected above the benchmark on three occasions. All COD,

ammonia, and cyanide concentrations exceeded the benchmarks. Three TSS concentrations exceeded the benchmark. BOD and pH concentrations were acceptable. Oil & grease was not detected.

Grand Liard

The analytical results indicate J-flagged data for VOCs (methylene chloride and trichloroethene) and SVOCs (di-n-butyl phthalate). In addition, methylene chloride and dimethylphthalate were detected above the reporting limit. TPH-D was detected at low concentrations; TPH-O was not detected. All metals were detected except antimony, arsenic, beryllium, chromium, copper, mercury, selenium, and thallium; silver and zinc were detected above the benchmarks. All COD, ammonia, and cyanide concentrations and one TSS concentration exceeded the benchmarks. BOD and pH concentrations were acceptable. Oil & grease was not detected.

Based on the analytical results, there are no major concerns with contaminants in the discharge water. The low levels and J-flagged concentrations of SVOCs and VOCs are mostly laboratory contaminants (in fact, in the case of methylene chloride, most of the trip and field blanks contained concentrations of methylene chloride; therefore, it is likely the analytical results reflect concentrations originating in the laboratory). Other analytes (PAHs, trichloroethene, toluene, bromoform, etc.) were not present in concentrations that warrant concern. TPH-D and TPH-O concentrations were consistently low. The highest concentrations were detected in the initial samples from the Point a la Hache pumping station, and these subsided after the first few sampling events. These contaminants were likely associated with surface runoff. Silver and zinc are the only metals detected above the benchmarks; there are no patterns observed with the exceedances, therefore these concentrations are likely associated with solids suspended in the samples. Ammonia and COD were consistently detected above the benchmarks. The COD levels are consistent with what would be expected from naturally occurring humus material. The ammonia concentrations are likely associated with degradation. The BOD levels were not high; therefore the COD and ammonia concentrations are not likely associated with sewage.

Data Quality

Overall, the data are of acceptable quality. As previously mentioned, laboratory contaminants were detected in the field and trip blanks; it is likely these contaminants originated from the laboratory as the blanks were obtained from the laboratory. In general, standard qualifiers for the analytical results were poor recoveries, matrix interference, and sample dilution related to high analyte concentration and interference.

4.0 Recommendations

The analytical results from the pumping station water sampling program do not suggest that any corrective action is necessary for the discharge water. MMG recommends that pumping operations continue with no changes or treatment.

Table 1: Summary of Pumping Station Analytical Results – Belle Chase # 1

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3- chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	0.00119J	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
1,1,1,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzoic acid	NS	<0.050	<0.051	<0.050	<0.052	<0.050	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020
4-Bromophenyl-phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020
bis(2-Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-Chloroisopropyl)ether	NS	<0.005	<0.0051	<0.005	<0.0052	<0.005	<0.005	<0.005	<0.005
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0017J
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.051	<0.050	<0.052	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrophenol	NS	<0.050	<0.051	<0.050	<0.052	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	<0.005	0.0021J	<0.005	<0.0052	<0.005	<0.005	0.0021J	<0.005
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.005	<0.0051	<0.005	<0.0052	<0.005	<0.005	<0.005	<0.005
Hexachlorocyclopentadiene	NS	<0.025	<0.026	<0.025	<0.026	<0.025	<0.025	<0.025	<0.025
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020
Naphthalene	NS	<0.005	<0.0051	<0.005	<0.0052	<0.005	<0.005	<0.005	<0.005
2-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.052	<0.050	<0.050	<0.050	<0.050
3-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.052	<0.050	<0.050	<0.050	<0.050
4-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.052	<0.050	<0.050	<0.050	<0.050
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Nitrophenol	NS	<0.050	<0.051	<0.050	<0.052	<0.050	<0.050	<0.050	<0.050

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pentachlorophenol	0.013	<0.050	<0.051	<0.050	<0.052	<0.050	<0.050	<0.050	<0.050	<0.050	
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Aldrin	0.0013	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
alpha-BHC	NS	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
beta-BHC	NS	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
delta-BHC	NS	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
gamma-BHC	0.00016	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
alpha-Chlordane	0.00009	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
gamma-Chlordane	0.00009	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
4,4'-DDD	0.00125	<0.0011	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
4,4'-DDE	0.0007	<0.0011	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
4,4'-DDT	0.00013	<0.0011	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Dieldrin	0.00071	<0.0011	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Endosulfan I	0.000034	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
Endosulfan II	0.000034	<0.0011	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Endosulfan sulfate	0.000034	<0.0011	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Endrin	0.000037	<0.0011	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Endrin aldehyde	NS	<0.0011	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Endrin ketone	NS	<0.0011	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Heptachlor	0.000053	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
Heptachlor epoxide	0.000053	<0.00054	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00027	<0.00025	<0.00025	
Methoxychlor	NS	<0.0054	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0027	<0.0025	<0.0025	
Toxaphene	0.00021	<0.054	<0.05	<0.05	<0.025	<0.025	<0.025	<0.027	<0.025	<0.025	
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Arochlor-1221	NS	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Arochlor-1232	NS	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Arochlor-1242	NS	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Arochlor-1248	NS	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Arochlor-1254	NS	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
Arochlor-1260	NS	<0.00054	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	1.42	2.27	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	0.165	
TPH-O	NS	1.67	2.92	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150	
Aluminum	NS	0.0704J	0.0934J	0.132J	<0.2	0.318	<0.2	<0.2	0.087J	0.087J	
Antimony	NS	<0.06	0.0135J	<0.06	<0.06	<0.06	<0.06	<0.06	0.0141J	0.0141J	
Arsenic	0.069	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	0.00776J	<0.01	<0.01	
Barium	NS	0.242	0.212	0.235	0.18J	0.206	0.197J	0.234	0.227	0.227	
Beryllium	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	89	85.5	91.8	65.6	80	72.1	86.5	84.1	84.1	
Chromium	1.1	0.00679J	<0.01	<0.01	<0.01	<0.01	<0.01	0.00161J	0.00141J	0.00141J	
Cobalt	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Copper	0.0048	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.186	0.369	0.203	<0.1	0.120	<0.1	0.177	0.0571J	0.0571J	
Lead	0.210	0.00938	0.00913	0.0162	0.00665	0.0067	0.0101	0.0107	0.012	0.012	
Magnesium	NS	111	100	107	76.3	85.3	79.5	90.3	88.5	88.5	
Manganese	NS	0.610	0.311	0.243	0.116	0.0621	0.0806	0.0886	0.309	0.309	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	0.00345J	0.00328J	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
Potassium	NS	43.4	37.9	40.3	26.3	30.1	26.5	29.9	29.4	29.4	
Selenium	0.290	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.0143J	0.0143J	
Silver	0.0019	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Sodium	NS	857	945	893	748	680	773	794	755	755	

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Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Thallium	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00813J	<0.010		
Vanadium	NS	0.00791J	0.0124J	0.0141J	0.0126J	0.0128J	0.0133J	0.0188J	0.00515J		
Zinc	0.090	<0.02	0.0303	0.0431	<0.02	0.00725J	0.00604J	<0.02	<0.02		
Ammonia	0.03	0.741	0.273	0.240	0.240	0.230	0.206	<0.1	0.385		
TSS	45	21.0	19.0	14.0	11.0	<4.0	17.0	9.0	4.0		
TOC	0.10%	32.5	31.1	29.7	27.2	25.9	29.1	24.1	22.0		
BOD	45	13.7	7.53	10.8	7.14	<2.0	<2.0	<2.0	<2.0		
COD	45	61.0	78.0	57.0	64.0	51.0	52.0	54.0	52.0		
Oil & Grease	15	10.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0150	<0.01	0.0163	<0.01		
pH	6.0-9.0	7.24	8.51	7.90	8.48	8.25	7.75	8.36	7.77		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 2: Summary of Pumping Station Analytical Results – Belle Chase # 2

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.00776J	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	0.00079J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	0.0011J	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzoic acid	NS	<0.050	<0.050	<0.050	<0.053	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
4-Bromophenyl-phenylether	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbazole	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
bis(2-Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,2'-oxybis(1-Chloropropane)	NS	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)											
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05				
Chrysene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-bulylphthalate	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0015J	<0.010
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	0.002J	<0.010	<0.010	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.050	<0.053	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.050	<0.053	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	<0.005	0.0021J	<0.005	<0.0053	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	0.0022J	<0.010
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Naphthalene	NS	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005
2-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.053	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
3-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.053	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
4-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.053	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
4-Nitrophenol	NS	<0.050	<0.050	<0.050	<0.053	<0.050	<0.051	<0.050	<0.050	<0.050	
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	
Pentachlorophenol	0.013	<0.050	<0.050	<0.050	<0.053	<0.050	<0.051	<0.050	<0.050	<0.050	
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	
Phenol	0.58	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	
Pyrene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TPH-D	NS	0.624	3.02	<0.250	<0.250	<0.250	<0.250	0.468	0.194
TPH-O	NS	0.597	3.97	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150
Aluminum	NS	0.237	0.0553J	0.450	<0.2	0.256	<0.2	<0.2	0.0872J
Antimony	NS	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic	0.069	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Barium	NS	0.243	0.234	0.206	0.174J	0.182J	0.176J	0.196J	0.201
Beryllium	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	0.042	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	NS	79.1	86.5	85.9	66.3	79.2	71.6	83.4	77.9
Chromium	1.1	0.00657J	<0.01	0.00265J	0.00602J	0.00258J	<0.01	0.00224J	0.00415J
Cobalt	NS	<0.01	0.00124J	<0.01	0.00103J	0.000852J	0.000888J	<0.01	<0.01
Copper	0.0048	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	NS	0.557	0.571	0.334	0.297	0.287	0.197	0.583	0.264
Lead	0.210	0.0114	0.00924	0.0121	0.006	0.0072	0.0075	0.00619	0.00684
Magnesium	NS	96.3	98.5	93.7	74.4	82.7	75.6	86.8	79.8
Manganese	NS	1.0	0.923	0.444	0.411	0.248	0.178	0.153	0.372
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.074	0.00326J	0.0079J	0.00836J	0.00577J	0.00688J	0.00632J	0.00753J	0.00676J
Potassium	NS	36.1	36.9	33.4	25.1	28.1	24.6	28	25.6
Selenium	0.290	<0.035	<0.035	<0.035	<0.035	0.015J	<0.035	<0.035	0.0173J
Silver	0.0019	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater ¹	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Sodium	NS	802	823	740	698	673	691	727	708		
Thallium	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00971J	<0.010		
Vanadium	NS	0.00847J	0.0133J	0.0137J	0.0127J	0.0121J	0.0137J	0.0171J	0.00479J		
Zinc	0.090	<0.02	0.0142J	0.0141J	0.00797J	0.0104J	<0.02	0.0147J	<0.02		
Ammonia	0.03	1.43	1.52	0.580	0.580	0.208	0.273	0.188	0.532		
TSS	45	16.0	9.0	7.0	4.0	14.0	19.0	32.0	<4.0		
TOC	0.10%	32.4	37.7	36.4	31.5	31.2	35.2	30.4	29.4		
BOD	45	13.1	4.95	7.77	6.72	24.1	11.6	19.0	<2.0		
COD	45	83.0	96.9	67.0	72.0	71.0	82.0	107	83.0		
Oil & Grease	15	6.9	13.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0250	<0.01	0.0163	0.0134		
pH	6.0-9.0	7.64	8.19	7.44	7.85	8.77	7.89	8.77	7.42		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.

2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 3: Summary of Pumping Station Analytical Results – Braithwaite

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	0.00116J	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzoic acid	NS	<0.050	<0.050	<0.050	<0.051	<0.051	<0.050	<0.050	<0.050	<0.050	
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
4-Bromophenyl- phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
bis(2- Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.005	<0.005	<0.0051	<0.0051	<0.005	<0.005	<0.005	<0.005	
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Di-n-butylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0014J	
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.050	<0.051	<0.051	<0.050	<0.050	<0.050	<0.050	
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.051	<0.050	<0.050	<0.050	<0.050	
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
bis(2-ethylhexyl)phthalate	NS	<0.005	0.0015J	<0.005	<0.0051	<0.0051	<0.005	0.0043J	<0.005	<0.005	
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.005	<0.0051	<0.0051	<0.005	<0.005	<0.005	<0.005	
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.025	<0.025	
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
Naphthalene	NS	<0.005	<0.005	<0.005	<0.0051	<0.0051	<0.005	<0.005	<0.005	<0.005	
2-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.051	<0.050	<0.050	<0.050	<0.050	
3-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.051	<0.050	<0.050	<0.050	<0.050	
4-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.051	<0.050	<0.050	<0.050	<0.050	
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Nitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.051	<0.050	<0.050	<0.050	<0.050	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pentachlorophenol	0.013	<0.050	<0.050	<0.050	<0.051	<0.051	<0.050	<0.050	<0.050
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	2.25	1.51	0.271	0.505	0.328	1.63	0.669	0.641	0.641	
TPH-O	NS	2.35	1.80	<0.500	<0.500	<0.500	1.13	<0.500	0.224	0.224	
Aluminum	NS	0.333	0.283	0.749	0.313	0.595	0.252	0.363	0.624	0.624	
Antimony	NS	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	
Arsenic	0.089	0.0083J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.247	0.262	0.279	0.204	0.276	0.235	0.272	0.265	0.265	
Beryllium	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	101	109	110	90.4	112	95.8	113	104	104	
Chromium	1.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00178J	0.00136J	0.00136J	
Cobalt	NS	0.000815J	0.00118J	0.00116J	0.000977J	0.00105J	0.00128J	0.00122J	0.000956J	0.000956J	
Copper	0.0048	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.619	0.659	1.03	0.638	0.925	0.678	0.782	1.02	1.02	
Lead	0.210	0.0146	0.00976	0.013	0.00864	0.0125	0.00903	0.0157	0.0102	0.0102	
Magnesium	NS	109	116	117	103	121	104	120	112	112	
Manganese	NS	1.1	0.974	1.27	0.880	1.35	1.22	1.47	0.829	0.829	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
Potassium	NS	44.3	47.8	46	38.6	46.4	37.6	42.3	39.3	39.3	
Selenium	0.290	<0.035	<0.035	<0.035	<0.035	<0.035	0.016J	<0.035	0.0234J	0.0234J	
Silver	0.0019	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Sodium	NS	853	936	883	913	965	959	986	975	975	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Thallium	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	NS	0.0103J	0.0149J	0.0163J	0.0145J	0.0143J	0.0149J	0.0218J	0.00756J		
Zinc	0.090	<0.02	0.0125J	0.073	0.00665J	0.00803J	0.00586J	0.01J	<0.02		
Ammonia	0.03	0.43	0.382	0.226	0.310	0.223	0.280	0.140	0.277		
TSS	45	53.0	41.0	47.0	47.0	45.0	62.0	55.0	52.0		
TOC	0.10%	46.3	42.3	45.5	37.6	37.4	42.8	35.8	36.4		
BOD	45	21.6	11.4	19.0	11.7	11.2	9.9	11.8	17.1		
COD	45	90.0	105	99.0	103	88.0	98.0	103	103		
Oil & Grease	15	11.3	5.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0677	<0.01	0.0135	0.0147		
pH	6.0-9.0	7.33	9.03	8.21	8.72	8.41	8.31	8.56	8.47		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data -- estimated concentration above the method detection limit and below the reporting limit

Table 4: Summary of Pumping Station Analytical Results – Scarsdale

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3- chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater ¹	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzoic acid	NS	<0.054	<0.050	<0.050	<0.052	<0.051	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.022	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020
4-Bromophenyl- phenylether	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbazole	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.022	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020
bis(2- Chloroethoxy)methane	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,2'-oxybis(1- Chloropropane)	NS	<0.0054	<0.005	<0.005	<0.0052	<0.0051	<0.005	<0.005	<0.005
4-Chloro-3-methylphenol	NS	<0.022	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Chrysene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0013J
1,2-Dichlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.022	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.054	<0.050	<0.050	<0.052	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrophenol	NS	<0.054	<0.050	<0.050	<0.052	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrotoluene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	0.0027J	0.0044J	0.003J	<0.0052	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.0054	<0.005	<0.005	<0.0052	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorocyclopentadiene	NS	<0.027	<0.025	<0.025	<0.026	<0.026	<0.025	<0.025	<0.025	<0.025	<0.025
Hexachloroethane	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.022	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Naphthalene	NS	<0.0054	<0.005	<0.005	<0.0052	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005
2-Nitroaniline	NS	<0.054	<0.050	<0.050	<0.052	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050
3-Nitroaniline	NS	<0.054	<0.050	<0.050	<0.052	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050
4-Nitroaniline	NS	<0.054	<0.050	<0.050	<0.052	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
4-Nitrophenol	NS	<0.054	<0.050	<0.050	<0.052	<0.051	<0.050	<0.050	<0.050	<0.050	
N-Nitroso-di-n-propylamine	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
N-Nitrosodiphenylamine	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pentachlorophenol	0.013	<0.054	<0.050	<0.050	<0.052	<0.051	<0.050	<0.050	<0.050	<0.050	
Phenanthrene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Phenol	0.58	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pyrene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,2,4-Trichlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,5-Trichlorophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,6-Trichlorophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Aldrin	0.0013	<0.0005	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-BHC	0.0016	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-Chlordane	0.0009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-Chlordane	0.0009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endosulfan I	0.00034	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Endosulfan II	0.00034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endosulfan sulfate	0.00034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin	0.00037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Heptachlor	0.00053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Heptachlor epoxide	0.00053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Methoxychlor	NS	<0.005	<0.005	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater ¹	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TPH-D	NS	4.73	6.36	0.338	0.387	0.489	0.354	0.393	0.393	0.399	0.399
TPH-O	NS	5.74	8.32	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150
Aluminum	NS	0.225	0.171J	0.676	0.156J	0.551	0.0592J	0.270	0.270	0.452	0.452
Antimony	NS	<0.06	0.0135J	<0.06	<0.06	<0.06	<0.06	0.0142J	0.0142J	<0.06	<0.06
Arsenic	0.069	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00763J	0.00763J	<0.01	<0.01
Barium	NS	0.315	0.307	0.331	0.281	0.330	0.292	0.343	0.343	0.280	0.280
Beryllium	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	0.042	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	NS	98.6	113	119	95.4	117	98.8	116	116	109	109
Chromium	1.1	<0.01	<0.01	0.00147J	<0.01	<0.01	0.00232J	0.00157J	0.00157J	0.0264	0.0264
Cobalt	NS	0.00809J	0.00828J	0.00837J	0.00778J	0.0116	0.00967J	0.00552J	0.00552J	0.00278J	0.00278J
Copper	0.0048	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	NS	8.73	7.98	8.35	7.12	14.7	8.97	5.79	5.79	2.38	2.38
Lead	0.210	0.0122	0.013	0.0126	0.011	0.0101	0.00849	0.0134	0.0134	0.00844	0.00844
Magnesium	NS	89.2	100	107	88.3	101	88.3	106	106	101	101
Manganese	NS	1.73	1.54	1.5	1.26	1.82	1.56	1.71	1.71	0.786	0.786
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.074	0.013J	0.0202J	0.0226J	0.0221J	0.0292J	0.025J	0.0178J	0.0178J	0.0155J	0.0155J
Potassium	NS	33.3	37.6	37.8	29.4	32.9	27.3	34.3	34.3	32.6	32.6
Selenium	0.290	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.0143J	0.0143J
Silver	0.0019	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Sodium	NS	727	773	788	752	772	797	877	873		
Thallium	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Vanadium	NS	0.00843J	0.0134J	0.0162J	0.0152J	0.0145J	0.0138J	0.0196J	0.00582J		
Zinc	0.090	<0.02	0.0171J	0.0289	0.0125J	0.00941J	0.0117J	0.00959J	<0.02		
Ammonia	0.03	1.26	1.81	1.64	1.42	4.64	1.75	0.338	0.425		
TSS	45	32.0	31.0	26.0	33.0	31.0	32.0	56.0	25.0		
TOC	0.10%	60.3	56.0	62.8	56.1	65.5	70.6	54.8	56.6		
BOD	45	20.3	10.0	14.0	11.0	9.36	10.7	8.76	12.4		
COD	45	129	150	118	139	148	154	128	123		
Oil & Grease	15	14.2	22.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	0.0121	<0.01	<0.01	0.0154	<0.01	0.0168	0.0139		
pH	6.0-9.0	7.28	7.97	7.08	7.54	8.74	6.45	6.94	7.73		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 5: Summary of Pumping Station Analytical Results – Bellevue

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	0.00131J	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010	<0.005
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.96	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzoic acid	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
4-Bromophenyl-phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
bis(2-Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,2'-oxybis(1-Chloropropane)	NS	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	<0.005
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	0.0015J	<0.010	<0.010	0.0061J	<0.010	<0.010	<0.010	<0.010
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrophenol	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	0.0027J	0.012	<0.005	0.002J	<0.005	<0.005	<0.005	<0.005
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005
Hexachlorocyclopentadiene	NS	<0.025	<0.026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Naphthalene	NS	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005
2-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
3-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
4-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

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Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
4-Nitrophenol	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pentachlorophenol	0.013	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aldrin	0.0013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
alpha-BHC	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
beta-BHC	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
delta-BHC	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
gamma-BHC	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
alpha-Chlordane	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
gamma-Chlordane	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endosulfan I	0.000034	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Heptachlor	0.000053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0026	<0.0025	<0.0025	<0.0026	<0.0025
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.026	<0.025	<0.025	<0.026	<0.025
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	3.42	23.2	0.469	10.5	0.268	1.60	0.379	0.386	0.150	
TPH-O	NS	3.01	29.9	<0.500	5.19	<0.500	0.814	<0.500	<0.150	0.254	
Aluminum	NS	0.339	0.456	0.111J	<0.2	0.170J	<0.2	<0.06	<0.06	<0.01	
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.01	
Arsenic	0.069	0.00953J	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.312	0.305J	0.282	0.236	0.247	0.232	0.216	0.286	<0.005	
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.01	<0.005	<0.005	0.00107J	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	180	173	188	156	184	151	228	188	<0.01	
Chromium	1.1	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Cobalt	NS	0.000895J	<0.02	<0.01	<0.01	<0.01	0.000852J	0.0012J	0.000847J	<0.01	
Copper	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.376	0.239	0.209	0.215	0.163	0.136	0.308	0.294	<0.005	
Lead	0.210	0.0142	0.0149	0.00986	0.0264	0.0113	0.0097	0.0115	0.00785	<0.005	
Magnesium	NS	209	209	212	176	200	167	182	187	<0.005	
Manganese	NS	0.883	0.591	0.233	0.183	0.257	0.202	0.680	0.234	<0.005	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.005	
Nickel	0.074	<0.04	<0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
Potassium	NS	81.8	69.1	77.6	61.0	71.4	55.9	53.6	62.8	<0.035	
Selenium	0.290	<0.035	<0.07	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	
Silver	0.0019	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Sodium	NS	1750	1710	1790	1520	1700	1850	1440	1680		
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Vanadium	NS	0.00292J	0.0193J	0.00742J	0.00944J	0.007J	0.00805J	0.0138J	<0.05		
Zinc	0.090	0.0135J	0.0153J	0.0311	0.101	0.018J	0.00704J	<0.02	<0.02		
Ammonia	0.03	0.258	0.370	0.178	0.204	0.224	0.199	<0.1	<0.102		
TSS	45	36.0	68.0	18.0	16.0	13.0	13.0	20.0	12.0		
TOC	0.10%	42.2	32.2	<2.0	22.8	33.2	34.8	16.6	26.2		
BOD	45	11.1	15.9	<2.0	32.6	5.94	<2.0	<2.0	<2.0		
COD	45	73.0	80.0	53.0	77.0	67.0	68.0	63.0	71.0		
Oil & Grease	15	21.5	40.0	<5.0	12.9	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	0.0113	<0.01	<0.01	0.0252	<0.01	0.0132	0.0117		
pH	6.0-9.0	7.43	7.78	7.75	8.35	8.51	7.83	7.83	8.05		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 6: Summary of Pumping Station Analytical Results – Pointe a la Hache

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	0.00102J	<0.005	<0.010	<0.005	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzoic acid	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.052	<0.056
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.022
4-Bromophenyl- phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.022
bis(2- Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.0052	<0.0056
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.022
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)													
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05						
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	<0.010	<0.010	<0.010	0.0063J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0014J	<0.010
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.056
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.056
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	0.025	0.019	0.0018J	0.0034J	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0056
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0056
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.028
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.022
Naphthalene	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0056
2-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.056
3-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.056
4-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.056
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
4-Nitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.052	<0.056		
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
Pentachlorophenol	0.013	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.052	<0.056		
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.00052		
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.00052		
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.00052		
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.00052		
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.00052		
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.00052		
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.00052		
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.00052		
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.00052		
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00026		
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0026	<0.0025	<0.0025	<0.0025	<0.0026		
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.026	<0.025	<0.025	<0.025	<0.026		
2,4-D	NS	<0.02	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
Dalapon	NS	<0.10	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010		
2,4-DB	NS	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
Dicamba	NS	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dichloroprop	NS	<0.02	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dinoseb	NS	<0.02	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<2.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<2.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	50.6	28.6	1.63	5.82	2.73	0.567	0.432	0.350	0.350	
TPH-O	NS	61.4	38.2	1.89	6.37	3.75	<0.500	<0.500	<0.150	<0.150	
Aluminum	NS	3.55	5.34	0.418	<0.2	1.2	<0.2	<0.2	0.104J	0.104J	
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	0.0138J	0.0138J	
Arsenic	0.069	0.0117	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.0118	<0.01	
Barium	NS	0.532	0.617	0.391	0.343	0.408	0.390	0.529	0.430	0.430	
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	0.00116J	<0.01	0.000968J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	246	237	243	200	243	205	241	239	239	
Chromium	1.1	0.00568J	0.00835J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Cobalt	NS	0.00637J	0.00572J	<0.01	0.00114J	<0.01	0.00109J	0.00167J	0.00117J	0.00117J	
Copper	0.0048	0.040	0.245	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	10.9	7.74	0.441	0.524	0.335	0.115	0.797	0.171	0.171	
Lead	0.210	0.0616	0.075	0.0143	0.0147	0.00981	0.0083	0.0123	0.00635	0.00635	
Magnesium	NS	285	304	297	247	285	242	280	257	257	
Manganese	NS	6.04	6.0	0.445	0.609	0.655	0.609	1.15	0.332	0.332	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	0.0178J	0.0155J	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
Potassium	NS	117	121	115	90.3	108	87.9	97.3	94.4	94.4	
Selenium	0.290	<0.035	<0.07	<0.035	0.0141J	0.0142J	<0.035	<0.035	0.0147J	0.0147J	
Silver	0.0019	0.00305J	<0.02	0.00273J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Sodium	NS	2570	2950	2730	2330	2560	2750	2740	2600		
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Vanadium	NS	0.00955J	0.0249J	0.00419J	0.00553J	0.00339J	0.00403J	0.0069J	<0.05		
Zinc	0.090	0.280	0.936	0.0893	0.037	0.00818J	<0.02	0.014J	<0.02		
Ammonia	0.03	0.807	0.799	0.223	0.254	0.264	0.176	<0.1	<0.106		
TSS	45	99.0	51.0	43.0	36.0	25.0	33.0	39.0	19.0		
TOC	0.10%	48.4	33.8	43.4	41.7	27.7	40.8	31.3	29.2		
BOD	45	11.1	14.5	15.8	11.0	9.81	8.64	<2.0	<2.0		
COD	45	700	143	385	124	93.0	106	87.0	87.0		
Oil & Grease	15	137	40.8	7.0	17.8	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0184	<0.01	0.0127	<0.01		
pH	6.0-9.0	6.37	7.32	8.03	8.89	8.74	7.79	7.94	8.14		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 7: Summary of Pumping Station Analytical Results – Ollie #1

Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	0.00117J	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzoic acid	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
4-Bromophenyl- phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
bis(2- Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data -- estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Di-n-butylphthalate	NS	0.0013J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	
2,4-Dinitrophenol	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
bis(2-ethylhexyl)phthalate	NS	<0.005	0.0018J	0.0032J	0.0021J	<0.005	<0.0051	<0.005	<0.005	<0.005	
Fluoranthene	NS	<0.010	<0.010	0.0011J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Hexachlorobutadiene	NS	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	
Hexachlorocyclopentadiene	0.0016	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
Naphthalene	NS	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.0051	<0.005	
2-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	
3-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	
4-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
4-Nitrophenol	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pentachlorophenol	0.013	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	<0.051	<0.050	
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.00053	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.00053	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.00053	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.00053	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.00053	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.00053	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.00053	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.00053	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.00053	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00026	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0026	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.026	<0.025	<0.025	<0.025	<0.025	<0.025	
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.00053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	1.25	3.30	0.271	0.338	0.251	0.250	0.250	0.250	0.693	
TPH-O	NS	1.44	4.16	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.279	
Aluminum	NS	0.099J	0.363J	0.685	<0.2	0.196J	<0.2	<0.2	<0.2	0.329	
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.0151J	
Arsenic	0.069	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.155J	0.18J	0.152J	0.133J	0.142J	0.128J	0.157J	0.167J	0.167J	
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	67.7	74.9	76.2	63.1	73.4	62.9	79.7	77.7	77.7	
Chromium	1.1	<0.01	<0.02	0.00153J	<0.01	<0.01	<0.01	<0.01	<0.01	0.00174J	
Cobalt	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Copper	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.229	0.713	0.189	0.207	0.161	0.0919J	<0.1	0.625	0.625	
Lead	0.210	0.0109	0.0131	0.0136	0.00637	0.00934	0.00882	0.0119	0.00729	0.00729	
Magnesium	NS	42.7	45.4	47.9	40.6	45.9	40.3	50.9	48.7	48.7	
Manganese	NS	0.842	0.875	0.408	0.254	0.164	0.136	0.308	0.813	0.813	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	<0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
Potassium	NS	16.2	17	19.5	15.3	16.8	13.7	16.9	16.6	16.6	
Selenium	0.290	<0.035	<0.07	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	
Silver	0.0019	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Sodium	NS	353	354	399	343	374	368	420	405		
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Vanadium	NS	0.00729J	0.0134J	0.011J	0.00945J	0.00952J	0.0124J	0.0155J	0.0045J		
Zinc	0.090	<0.02	0.0246J	0.0345	0.0203	0.00738J	<0.02	0.00608J	<0.02		
Ammonia	0.03	0.418	0.397	0.536	0.449	0.238	0.187	<0.1	0.700		
TSS	45	16.0	24.0	12.0	17.0	10.0	94.0	5.0	70.0		
TOC	0.10%	37.4	28.5	23.8	22.0	43.8	38.9	20.8	24.8		
BOD	45	16.4	14.2	<2.0	12.3	10.3	10.7	<2.0	13.7		
COD	45	54.0	68.0	45.0	80.0	63.0	63.0	44.0	68.0		
Oil & Grease	15	9.0	9.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.136	0.0101	0.0145	0.0125		
pH	6.0-9.0	7.55	8.69	7.51	7.91	8.76	8.34	7.44	7.52		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 8: Summary of Pumping Station Analytical Results – Ollie #2

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	0.00121J	0.00142J	<0.005	0.0022J	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	0.00124J	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
4-Bromophenyl- phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
bis(2- Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Di-n-butylphthalate	NS	0.001J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	
2,4-Dinitrophenol	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
bis(2-ethylhexyl)phthalate	NS	<0.005	<0.0051	<0.005	0.002J	<0.005	<0.005	<0.005	<0.005	<0.005	
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Hexachlorobutadiene	0.0016	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005	
Hexachlorocyclopentadiene	NS	<0.025	<0.026	<0.025	<0.026	<0.025	<0.025	<0.025	<0.025	<0.025	
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
Naphthalene	NS	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005	
2-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	
3-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	
4-Nitroaniline	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
4-Nitrophenol	NS	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pentachlorophenol	0.013	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aldrin	0.0013	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
alpha-BHC	NS	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
beta-BHC	NS	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
delta-BHC	NS	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
gamma-BHC	0.00016	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0052	<0.0051
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0052	<0.0051
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0052	<0.0051
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0052	<0.0051
Endosulfan I	0.000034	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0052	<0.0051
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0052	<0.0051
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0052	<0.0051
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0052	<0.0051
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0052	<0.0051
Heptachlor	0.000053	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0026
Methoxychlor	NS	<0.005	<0.005	<0.025	<0.025	<0.025	<0.025	<0.026	<0.026
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.026	<0.026
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	1.13	0.783	0.259	0.250	0.268	0.391	0.296	0.260	0.260	
TPH-O	NS	1.27	0.857	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150	<0.150	
Aluminum	NS	0.0928J	0.421	<0.200	<0.2	0.233	<0.2	<0.2	0.115J	0.115J	
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	0.0136J	0.0136J	
Arsenic	0.069	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.142J	0.158J	0.153J	0.136J	0.137J	0.129J	0.154J	0.143J	0.143J	
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	70.7	83	80.6	69.7	74.5	63.4	86.5	79	79	
Chromium	1.1	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Cobalt	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.000811J	0.000811J	
Copper	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.111	0.207	0.113	<0.1	0.0683J	<0.1	0.190	0.156	0.156	
Lead	0.210	0.00881	0.0133	0.0115	0.00469J	0.00967	0.0104	0.00754	0.00841	0.00841	
Magnesium	NS	44.8	51.2	52.5	45.6	48.6	41.6	57.5	52	52	
Manganese	NS	0.406	0.23	0.252	0.148	0.167	0.138	0.174	0.113	0.113	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	<0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
Potassium	NS	17.3	18.6	19.3	16.4	17.6	14.2	19.2	17	17	
Selenium	0.290	<0.035	<0.07	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	
Silver	0.0019	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Sodium	NS	354	397	441	377	407	381	473	439		
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Vanadium	NS	0.00847J	0.0153J	0.0113J	0.0111J	0.0102J	0.0116J	0.0168J	0.00521J		
Zinc	0.090	0.0826	<0.04	0.0277	0.00693J	<0.02	<0.02	0.00786J	<0.02		
Ammonia	0.03	0.226	0.276	0.186	0.148	0.199	0.164	<0.1	0.210		
TSS	45	15.0	11.0	13.0	<4.0	11.0	18.0	8.0	<4.0		
TOC	0.10%	37.6	25.7	24.8	20.5	25.2	28.6	23.9	23.0		
BOD	45	13.6	11.4	8.55	12.4	7.23	11.2	<2.0	4.32		
COD	45	52.0	56.0	50.0	62.0	58.0	68.0	53.0	56.0		
Oil & Grease	15	6.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0137	0.0100	0.0115	<0.01		
pH	6.0-9.0	7.96	8.63	7.48	8.06	8.91	8.73	7.52	7.85		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 9: Summary of Pumping Station Analytical Results – Ollie #3

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	0.00121J	0.00128J	<0.005	0.00226J	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	0.00093J	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzoic acid	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.051
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
4-Bromophenyl-phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
bis(2-Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,2'-oxybis(1-Chloropropane)	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.0051
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)											
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05				
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	<0.010	<0.010	<0.010	0.0061J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	<0.005	<0.005	<0.005	0.180	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0051
Fluoranthene	NS	0.0016J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0051
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.026
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Naphthalene	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0051
2-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051
3-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051
4-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Nitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.051	
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pentachlorophenol	0.013	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.051	
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.00056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.00056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.00056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.00056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.00056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.00056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.00056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.00056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.00056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00028	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0028	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.028	<0.025	<0.025	<0.025	<0.025	<0.025	
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Datapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TPH-D	NS	0.813	0.440	<0.250	0.337	<0.250	<0.250	0.431	<0.250	0.236	<0.150
TPH-O	NS	0.833	<0.5	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150	<0.150
Aluminum	NS	0.181J	0.842	0.445	0.0579J	0.565	<0.2	<0.2	<0.2	0.337	<0.337
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.016J	<0.016J
Arsenic	0.069	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Barium	NS	0.138J	0.291J	0.276	0.172J	0.275	0.262	0.154J	0.262	0.144J	0.144J
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	0.042	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	NS	70.1	92.2	95.3	73.1	88.9	84.3	81.7	84.3	78.3	78.3
Chromium	1.1	0.00136J	<0.02	<0.01	<0.01	<0.01	<0.01	0.026	<0.01	<0.01	<0.01
Cobalt	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	NS	0.150	0.924	0.738	0.638	0.683	0.224	0.270	0.224	0.208	0.208
Lead	0.210	0.0117	0.0104	0.0126	0.00695	0.00974	0.00957	0.00755	0.00957	0.00581	0.00581
Magnesium	NS	44.8	129	132	48.7	118	121	55.7	121	52.3	52.3
Manganese	NS	0.259	0.556	0.356	0.805	0.485	0.356	0.238	0.356	0.104	0.104
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.074	<0.04	<0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Potassium	NS	17.1	45.6	50.1	17.9	43.9	43.5	19	43.5	17	17

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)											
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05				
Selenium	0.290	<0.035	<0.07	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.0173J
Silver	0.0019	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium	NS	358	1080	1130	411	1040	1200	474	457	<0.01	<0.01	<0.01	<0.01
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	NS	0.00907J	0.0192J	0.0133J	0.0119J	0.0118J	0.0129J	0.0173J	0.00471J	<0.02	<0.02	<0.02	<0.02
Zinc	0.090	0.00993J	<0.02	0.0141J	0.0215	0.0136J	0.314	<0.1	0.200	<0.1	<0.1	<0.1	0.200
Ammonia	0.03	0.197	0.560	0.154	0.559	0.322	18.0	13.0	<4.0	18.0	13.0	21.4	23.0
TSS	45	5.0	27.0	36.0	95.0	11.0	32.2	21.4	23.0	32.2	21.4	<2.0	<2.0
TOC	0.10%	33.7	19.4	21.6	29.7	28.5	7.02	<2.0	<2.0	7.02	<2.0	<2.0	<2.0
BOD	45	13.0	6.42	11.8	16.6	10.4	59.0	55.0	114	59.0	55.0	<5.0	<5.0
COD	45	54.0	55.0	58.0	83.0	59.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.0122	0.0174
Oil & Grease	15	6.3	<5.0	<5.0	<5.0	<5.0	0.0192	0.0115	0.0174	0.0115	0.0122	0.0174	0.0174
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0192	8.38	8.77	7.97	8.79	7.77	7.97	7.97
pH	6.0-9.0	7.90	8.77	7.41	8.38	8.84	8.79	7.77	7.97	8.79	7.77	7.97	7.97

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.

2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 10: Summary of Pumping Station Analytical Results – West Pointe a la Hache

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	0.00071J	0.00086J	0.00095J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00161J	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00379J	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	0.00118J	0.00126J	0.00195J	<0.005	<0.005	<0.005	<0.005	<0.005	0.00201J	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00213J	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	0.00122J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(a)pyrene	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.056	<0.050	<0.050	
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.022	<0.020	<0.020	
4-Bromophenyl- phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.022	<0.020	<0.020	
bis(2- Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.005	<0.0056	<0.005	<0.005	
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.022	<0.020	<0.020	
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.022	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0019J	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.056	<0.050
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	<0.050	<0.056	<0.050
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	0.0016J	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.0056	<0.005	0.0088	<0.010
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.0056	<0.005	<0.005	<0.005
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.028	<0.025	<0.025	<0.025
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.022	<0.020	<0.020	<0.020
Naphthalene	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.0056	<0.005	<0.005	<0.005
2-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.056	<0.050	<0.050	<0.050
3-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.056	<0.050	<0.050	<0.050
4-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.056	<0.050	<0.050	<0.050
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
4-Nitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.056	<0.050
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010
Pentachlorophenol	0.013	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.056	<0.050
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.00056
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.00056
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.00056
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.00056
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.00056
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.00056
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.00056
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.00056
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.00056
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.0005	<0.00025	<0.00025	<0.00028
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0025	<0.005	<0.0025	<0.0025	<0.0028
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.05	<0.025	<0.025	<0.028
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00056	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00056	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00056	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00056	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00056	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00056	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00056	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	<0.25	<0.25	0.303	0.353	1.99	0.540	0.339	0.540	0.282	
TPH-O	NS	<0.5	<0.5	<0.5	<0.500	0.691	<0.500	<0.500	<0.500	<0.150	
Aluminum	NS	0.493	0.494	1.26	0.721	0.712	0.326	0.711	0.326	0.207	
Antimony	NS	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	
Arsenic	0.069	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.250	0.266	0.286	0.260	0.299	0.289	0.258	0.289	0.225	
Beryllium	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	117	125	123	106	128	111	104	111	104	
Chromium	1.1	<0.01	<0.01	<0.01	0.00166J	<0.01	0.00529J	0.00207J	0.00529J	<0.01	
Cobalt	NS	<0.01	0.00115J	<0.01	0.00101J	0.00092J	0.0009J	0.000919J	0.0009J	0.000934J	
Copper	0.0048	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.852	1.15	1.8	2.28	1.36	1.15	1.48	1.15	0.915	
Lead	0.210	0.0115	0.00989	0.0106	0.0111	0.0106	0.0108	0.0118	0.0108	0.00934	
Magnesium	NS	107	102	93.3	83.3	113	107	95.1	107	91.7	
Manganese	NS	0.578	0.568	0.738	0.787	0.764	0.714	0.489	0.714	0.390	
Mercury	0.0018	0.0000645J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
Potassium	NS	35.8	33	27.5	22.7	34.5	30.5	27.4	30.5	25.3	
Selenium	0.290	<0.035	<0.035	<0.035	<0.035	0.0175J	<0.035	<0.035	<0.035	0.0162J	
Silver	0.0019	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Sodium	NS	888	836	700	731	926	1090	816	807		
Thallium	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Vanadium	NS	0.00893J	0.0141J	0.0165J	0.0161J	0.0128J	0.0138J	0.0222J	0.00579J		
Zinc	0.090	<0.02	0.0112J	0.0141J	0.0244	0.0223	0.0096J	0.0185J	<0.02		
Ammonia	0.03	0.443	0.170	0.239	0.176	0.346	0.210	<0.1	<0.100		
TSS	45	13.0	22.0	67.0	72.0	184	60.0	103	20.0		
TOC	0.10%	25.6	22.1	26.2	26.7	37.4	50.8	22.9	23.8		
BOD	45	29.8	7.38	23.3	18.0	94.6	17.6	11.1	11.4		
COD	45	38.0	50.0	58.0	95.0	432	84.0	78.0	54.0		
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0139	<0.01	0.0215	0.138		
pH	6.0-9.0	7.81	8.47	7.53	8.45	9.43	8.32	9.25	8.81		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 11: Summary of Pumping Station Analytical Results – Diamond

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater ¹	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3- chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	0.00101J	<0.005	<0.005	0.00107J	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.00045J
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.051	<0.051	<0.050
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
4-Bromophenyl- phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
bis(2- Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.0051	<0.0051	<0.005
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0014J
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.051	<0.050
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.051	<0.050
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.0051	0.0017J
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.0051	<0.005
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.026	<0.025	<0.025
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Naphthalene	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.0051	<0.005
2-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.051	<0.050
3-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.051	<0.050
4-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.051	<0.050
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
4-Nitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.051	<0.050
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pentachlorophenol	0.013	<0.050	<0.050	<0.050	<0.051	<0.050	<0.051	<0.051	<0.050
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aldrin	0.0013	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
alpha-BHC	NS	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
beta-BHC	NS	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
delta-BHC	NS	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
gamma-BHC	0.00016	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005
Endosulfan I	0.000034	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.0005
Heptachlor	0.000053	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.00025
Methoxychlor	NS	<0.005	<0.005	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0025
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	<0.25	<0.25	<0.250	<0.250	<0.250	<0.250	<0.250	0.290	0.228	
TPH-O	NS	<0.5	<0.5	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150	
Aluminum	NS	0.394	<0.2	0.431	<0.2	0.115J	<0.2	0.543	0.0799J	<0.06	
Antimony	NS	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.01	
Arsenic	0.069	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.443	0.468	0.468	0.419	0.457	0.448	0.567	0.453	<0.005	
Beryllium	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.005	0.00164J	<0.005	<0.005	<0.005	<0.005	0.00115J	<0.005	
Calcium	NS	194	218	212	190	203	176	217	203	<0.01	
Chromium	1.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Cobalt	NS	0.00185J	0.00159J	0.000894J	0.00162J	0.00169J	0.002J	0.00785J	0.00174J	<0.01	
Copper	0.0048	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.996	0.842	0.975	0.726	1.14	0.760	4.06	0.872	<0.002	
Lead	0.210	0.0125	0.00871	0.013	0.00884	0.00771	0.00994	0.00802	0.00884	<0.002	
Magnesium	NS	198	215	219	199	204	183	224	206	<0.01	
Manganese	NS	0.369	0.321	0.254	0.249	0.442	0.387	1.48	0.194	<0.002	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.002	
Nickel	0.074	<0.04	0.00549J	0.00429J	0.00417J	0.00348J	0.00521J	0.016J	0.0049J	<0.005	
Potassium	NS	71.3	80	78.3	68.7	70.6	59.9	71.8	72.4	<0.01	
Selenium	0.290	<0.035	<0.035	<0.035	<0.035	0.015J	<0.035	<0.035	0.0205J	<0.01	
Silver	0.0019	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Sodium	NS	1780	1730	1880	1750	1870	2100	2140	2110		
Thallium	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Vanadium	NS	0.00164J	0.00536J	0.00885J	0.00782J	0.00648J	0.00686J	0.0143J	<0.05		
Zinc	0.090	0.00919J	0.0171J	0.0754	0.0109J	0.0204	0.00587J	0.0395	<0.02		
Ammonia	0.03	0.562	0.845	0.523	0.405	0.743	0.292	<0.1	0.290		
TSS	45	20.0	4.0	18.0	13.0	23.0	24.0	33.0	12.0		
TOC	0.10%	38.5	33.0	32.9	33.8	35.2	47.8	29.7	23.4		
BOD	45	12.2	<2.0	4.29	7.02	8.19	3.6	<2.0	4.26		
COD	45	68.0	69.0	68.0	69.0	61.0	74.0	75.0	70.0		
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	0.0188	<0.01	<0.01	0.0141	<0.01	0.0108	0.0118		
pH	6.0-9.0	7.48	7.72	7.44	7.36	7.40	7.41	7.92	7.60		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 12: Summary of Pumping Station Analytical Results – Diamond - duplicate

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3- chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	0.00105J	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater ¹	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Acenaphthene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Acenaphthylene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Anthracene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(a)anthracene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(b)fluoranthene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(k)fluoranthene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzoic acid	NS	<0.053	<0.050	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	
Benzo(g,h,i)perylene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzo(a)pyrene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Benzyl alcohol	NS	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
4-Bromophenyl- phenylether	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Butylbenzylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Carbazole	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Chloroaniline	NS	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
bis(2- Chloroethoxy)methane	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
bis(2-Chloroethyl)ether	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,2'-oxybis(1- Chloropropane)	NS	<0.0053	<0.005	<0.005	<0.0051	<0.005	<0.0051	<0.005	<0.005	<0.005	
4-Chloro-3-methylphenol	NS	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
2-Chloronaphthalene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Chlorophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Chlorophenol phenyl ether	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Chrysene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	

J = J-flagged data -- estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Dibenz(a,h)anthracene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0013J
1,2-Dichlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.053	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrophenol	NS	<0.053	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
2,4-Dinitrotoluene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	<0.0053	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.0053	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorocyclopentadiene	NS	<0.026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Hexachloroethane	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Naphthalene	NS	<0.0053	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Nitroaniline	NS	<0.053	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
3-Nitroaniline	NS	<0.053	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
4-Nitroaniline	NS	<0.053	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Nitrophenol	NS	<0.053	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
N-Nitroso-di-n-propylamine	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
N-Nitrosodiphenylamine	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pentachlorophenol	0.013	<0.011	<0.050	<0.050	<0.051	<0.050	<0.051	<0.050	<0.050	<0.050	
Phenanthrene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Phenol	0.58	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pyrene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
1,2,4-Trichlorobenzene	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,5-Trichlorophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4,6-Trichlorophenol	NS	<0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Aldrin	0.0013	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-BHC	NS	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
beta-BHC	NS	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
delta-BHC	NS	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-BHC	0.00016	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
alpha-Chlordane	0.00009	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
gamma-Chlordane	0.00009	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
4,4'-DDD	0.00125	<0.001	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endosulfan I	0.000034	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Heptachlor	0.000053	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Heptachlor epoxide	0.000053	<0.0005	<0.00052	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	
Methoxychlor	NS	<0.005	<0.0052	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
Toxaphene	0.00021	<0.05	<0.052	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.00052	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	<0.25	<0.25	0.32	0.280	<0.250	<0.250	0.293	0.325	0.224	
TPH-O	NS	<0.5	<0.5	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150	
Aluminum	NS	0.239	0.0353J	0.109J	0.0812J	0.269	0.0374J	0.499	0.111J	0.0159J	
Antimony	NS	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.0159J	
Arsenic	0.069	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.452	0.467	0.445	0.425	0.485	0.440	0.545	0.449	0.449	
Beryllium	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.005	0.00161J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	203	223	207	190	216	176	214	200	200	
Chromium	1.1	<0.01	<0.01	<0.01	<0.01	0.00582J	<0.01	<0.01	<0.01	<0.01	
Cobalt	NS	0.00156J	0.00168J	<0.01	0.00166J	0.00176J	0.00184J	0.00201J	0.00158J	0.00158J	
Copper	0.0048	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.977	0.938	0.735	0.690	1.25	0.805	1.91	0.831	0.831	
Lead	0.210	0.00723	0.00655	0.00759	0.0104	0.00988	0.00972	0.0136	0.00773	0.00773	
Magnesium	NS	206	219	215	199	216	183	221	204	204	
Manganese	NS	0.374	0.323	0.213	0.248	0.476	0.378	0.345	0.190	0.190	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	0.0067J	0.00522J	0.00406J	0.00401J	0.00537J	0.00582J	0.00424J	0.00424J	
Potassium	NS	75	82.1	76.3	68.6	75.7	59.6	70.9	71.4	71.4	
Selenium	0.290	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	
Silver	0.0019	<0.01	<0.01	0.00208J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Sodium	NS	1730	1820	1890	1760	1740	1890	2090	2060	2060	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Thallium	NS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	NS	0.00206J	0.00644J	0.00768J	0.0086J	0.00565J	0.00722J	0.0126J	<0.05
Zinc	0.090	0.329	0.0269	0.0588	0.0136J	0.0291	<0.02	0.00836J	<0.02
Ammonia	0.03	0.446	0.892	0.535	0.398	0.842	0.335	<0.1	0.243
TSS	45	17.0	17.0	16.0	13.0	11.0	26.0	46.0	5.0
TOC	0.10%	38.6	25.3	30.2	33.2	31.3	40.0	29.1	23.6
BOD	45	12.1	<2.0	9.03	6.84	5.5	<2.0	<2.0	<2.0
COD	45	64.0	68.0	82.0	70.0	60.0	74.0	77.0	130
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cyanide	0.001	<0.01	0.0219	<0.01	<0.01	0.0220	<0.01	0.0123	0.0121
pH	6.0-9.0	7.77	7.48	7.44	7.38	7.46	7.35	7.84	7.59

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 13: Summary of Pumping Station Analytical Results – Hayes

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	0.00106J	<0.005	<0.005	<0.005	<0.005	0.00095J	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	0.00104J	<0.005	<0.005	<0.010	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzoic acid	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.053	<0.056	<0.050	<0.050	
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.022	<0.020	<0.020	
4-Bromophenyl- phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.022	<0.020	<0.020	
bis(2- Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0053	<0.0056	<0.005	<0.005	
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.022	<0.020	<0.020	
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Di-n-butylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	0.0014J	<0.010	
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.022	<0.020	<0.020	
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.053	<0.056	<0.050	<0.050	
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.053	<0.056	<0.050	<0.050	
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
bis(2-ethylhexyl)phthalate	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0053	<0.0056	<0.005	<0.005	
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0053	<0.0056	<0.005	<0.005	
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.026	<0.028	<0.025	<0.025	
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.022	<0.020	<0.020	
Naphthalene	NS	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.0053	<0.0056	<0.005	<0.005	
2-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.053	<0.056	<0.050	<0.050	
3-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.053	<0.056	<0.050	<0.050	
4-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.053	<0.056	<0.050	<0.050	
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.010	<0.010	
4-Nitrophenol	NS	<0.050	<0.050	<0.050	<0.051	<0.050	<0.053	<0.056	<0.050	<0.050	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)											
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05				
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pentachlorophenol	0.013	<0.050	<0.050	<0.050	<0.051	<0.050	<0.053	<0.056	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00052	<0.00052	<0.00052	<0.00052	<0.00052
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00052	<0.00052	<0.00052	<0.00052	<0.00052
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00052	<0.00052	<0.00052	<0.00052	<0.00052
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00052	<0.00052	<0.00052	<0.00052	<0.00052
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00052	<0.00052	<0.00052	<0.00052	<0.00052
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00052	<0.00052	<0.00052	<0.00052	<0.00052
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00052	<0.00052	<0.00052	<0.00052	<0.00052
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00052	<0.00052	<0.00052	<0.00052	<0.00052
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00052	<0.00052	<0.00052	<0.00052	<0.00052
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
Methoxychlor	NS	<0.005	<0.005	<0.025	<0.025	<0.025	<0.025	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	0.00044J	<0.0005	0.00042J	<0.0005	0.00029J	<0.00052	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	0.315	<0.25	0.268	<0.250	0.256	0.256	0.333	0.320	0.411	
TPH-O	NS	<0.5	<0.5	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.323	
Aluminum	NS	0.123J	<0.4	1.06	<0.2	0.0654J	<0.2	<0.2	<0.2	0.335	
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	
Arsenic	0.00968J	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.334	0.335J	0.285	0.277	0.281	0.266	0.266	0.339	0.318	
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	193	214	166	155	174	146	178	169	169	
Chromium	1.1	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00193J	
Cobalt	NS	<0.01	<0.02	<0.01	0.00107J	0.000899J	<0.01	<0.01	<0.01	0.000955J	
Copper	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	<0.100	0.436	0.819	0.435	0.463	0.0666J	0.331	0.141	0.141	
Lead	0.210	0.0127	0.0175	0.010	0.007	0.00645	0.00767	0.0115	0.00932	0.00932	
Magnesium	NS	242	229	156	154	164	168	202	181	181	
Manganese	NS	0.718	0.365	0.341	0.343	0.328	0.120	0.274	0.224	0.224	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	<0.08	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
Potassium	NS	107	82.8	56.7	55.9	60.1	61.9	72.6	66.2	66.2	
Selenium	0.290	<0.035	<0.07	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.0149J	
Silver	0.0019	<0.01	<0.02	0.00251J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Sodium	NS	2320	1790	1330	1410	1320	1880	1920	1760	1760	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	0.0102	<0.01
Vanadium	NS	<0.05	0.0172J	0.0107J	0.00955J	0.00761J	0.00978J	0.0131J	<0.05
Zinc	0.090	<0.02	<0.04	0.0469	0.0132J	0.0111J	<0.02	<0.02	<0.02
Ammonia	0.03	0.5	0.350	0.494	0.385	0.275	0.173	<0.1	0.215
TSS	45	31.0	13.0	19.0	10.0	8.0	16.0	16.0	8.0
TOC	0.10%	31.1	19.6	24.5	25.7	32.4	42.0	21.4	18.3
BOD	45	14.8	8.91	8.46	7.44	3.69	<2.0	<2.0	3.57
COD	45	83.0	62.0	34.0	53.0	43.0	53.0	57.0	61.0
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cyanide	0.001	<0.01	0.0511	<0.01	<0.01	0.0176	<0.01	<0.01	0.0109
pH	6.0-9.0	7.70	7.38	7.44	7.53	7.46	7.96	8.47	8.05

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 14: Summary of Pumping Station Analytical Results – Gainard Woods

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	0.00114J	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	0.00108J	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Benzoic acid	NS	<0.050	<0.052	<0.052	<0.050	<0.050	<0.051	<0.056	<0.053
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Benzyl alcohol	NS	<0.020	<0.021	<0.021	<0.020	<0.020	<0.020	<0.022	<0.021
4-Bromophenyl-phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
4-Chloroaniline	NS	<0.020	<0.021	<0.021	<0.020	<0.020	<0.020	<0.022	<0.021
bis(2-Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
2,2'-oxybis(1-Chloropropane)	NS	<0.005	<0.0052	<0.0052	<0.005	<0.005	<0.0051	<0.0056	<0.0053
4-Chloro-3-methylphenol	NS	<0.020	<0.021	<0.021	<0.020	<0.020	<0.020	<0.022	<0.021
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)											
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05				
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	0.0013J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0014J
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.021	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.052	<0.052	<0.050	<0.050	<0.052	<0.050	<0.050	<0.050	<0.051	<0.056	<0.053
2,4-Dinitrophenol	NS	<0.050	<0.052	<0.052	<0.050	<0.050	<0.052	<0.050	<0.050	<0.050	<0.051	<0.056	<0.053
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	<0.005	<0.0052	<0.0052	<0.005	<0.005	<0.0052	<0.005	0.0013J	<0.0051	<0.0051	<0.0056	<0.0053
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0019J	0.0024J
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.005	<0.0052	<0.0052	<0.005	<0.005	<0.0052	<0.005	<0.005	<0.0051	<0.0051	<0.0056	<0.0053
Hexachlorocyclopentadiene	NS	<0.025	<0.026	<0.026	<0.025	<0.025	<0.026	<0.025	<0.025	<0.026	<0.026	<0.028	<0.026
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.022	<0.021
Naphthalene	NS	<0.005	<0.0052	<0.0052	<0.005	<0.005	<0.0052	<0.005	<0.005	<0.0051	<0.0051	<0.0056	<0.0053
2-Nitroaniline	NS	<0.050	<0.052	<0.052	<0.050	<0.050	<0.052	<0.050	<0.050	<0.051	<0.051	<0.056	<0.053
3-Nitroaniline	NS	<0.050	<0.052	<0.052	<0.050	<0.050	<0.052	<0.050	<0.050	<0.051	<0.051	<0.056	<0.053
4-Nitroaniline	NS	<0.050	<0.052	<0.052	<0.050	<0.050	<0.052	<0.050	<0.050	<0.051	<0.051	<0.056	<0.053
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Nitrophenol	NS	<0.050	<0.052	<0.052	<0.050	<0.050	<0.052	<0.050	<0.050	<0.051	<0.051	<0.056	<0.053

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011
Pentachlorophenol	0.013	<0.050	<0.052	<0.052	<0.050	<0.050	<0.051	<0.056	<0.053		
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	0.0012J		
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011		
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	0.0014J		
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.011	<0.011
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.011	<0.011
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.011	<0.011	<0.011
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	0.319	0.276	<0.250	<0.250	0.276	<0.250	0.395	0.395	0.333	
TPH-O	NS	<0.5	<0.5	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150	
Aluminum	NS	0.899	1.73	0.496	<0.2	0.743	0.128J	0.0767J	0.226	0.226	
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	0.0137J	0.0137J	
Arsenic	0.069	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.299	0.332J	0.352	0.313	0.435	0.422	0.480	0.440	0.440	
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	184	217	196	181	204	171	216	198	198	
Chromium	1.1	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Cobalt	NS	0.00213J	0.00197J	0.00228J	0.0026J	0.00234J	0.00247J	0.0021J	0.0019J	0.0019J	
Copper	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	1.62	1.61	1.95	1.63	1.24	1.34	0.917	0.883	0.883	
Lead	0.210	0.00975	0.0162	0.0107	0.00638	0.00932	0.0113	0.0125	0.0062	0.0062	
Magnesium	NS	329	398	332	301	325	262	316	262	262	
Manganese	NS	1.22	1.23	1.19	0.878	1.31	1.29	0.667	0.363	0.363	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	<0.08	<0.04	<0.04	<0.04	0.00316J	<0.04	<0.04	<0.04	
Potassium	NS	164	170	153	132	141	107	122	102	102	
Selenium	0.290	<0.035	<0.07	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	
Silver	0.0019	0.00316J	<0.02	0.00359J	<0.01	0.00241J	<0.01	<0.01	<0.01	<0.01	
Sodium	NS	3380	4120	3350	3100	3050	3200	3250	2830	2830	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	NS	<0.05	0.0122J	0.00201J	0.00121J	0.00224J	0.00305J	0.00495J	<0.05
Zinc	0.090	0.00943J	0.0131J	0.027	0.0103J	0.023	0.00824J	0.0069J	<0.02
Ammonia	0.03	0.758	0.671	0.967	0.399	1.68	1.46	<0.1	0.132
TSS	45	76.0	52.0	55.0	27.0	30.0	31.0	50.0	24.0
TOC	0.10%	27.1	20.1	29.3	28.5	21.5	28.1	29.0	31.2
BOD	45	13.7	5.01	17.7	6.60	8.07	5.94	9.69	9.6
COD	45	115	149	370	125	121	121	379	100
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0259	<0.01	<0.01	0.0134
pH	6.0-9.0	8.12	7.51	7.66	7.26	7.69	7.74	8.46	8.18

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.

2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 15: Summary of Pumping Station Analytical Results – Sunrise #1

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	0.00074J	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3- chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	0.00111J	0.00135J	0.00222J	0.00236J	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethane	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	0.00084J	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Acenaphthylene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Anthracene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzoic acid	NS	<0.050	<0.053	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050	<0.050
Benzo(g,h,i)perylene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.021	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020
4-Bromophenyl- phenylether	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Carbazole	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.021	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020
bis(2- Chloroethoxy)methane	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
bis(2-Chloroethoxy)ether	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.0053	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.005	<0.005
4-Chloro-3-methylphenol	NS	<0.020	<0.021	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Chrysenes	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Dibenz(a,h)anthracene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Di-n-butylphthalate	NS	0.0015J	<0.011	<0.010	<0.010	<0.010	<0.011	0.0012J	<0.010
1,2-Dichlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.021	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020
2,4-Dichlorophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.053	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050
2,4-Dinitrophenol	NS	<0.050	<0.053	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050
2,4-Dinitrotoluene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	<0.005	<0.0053	<0.005	0.0015J	<0.010	<0.0053	<0.005	<0.005
Fluoranthene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	0.0021J	<0.010
Fluorene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Hexachlorobutadiene	NS	<0.005	<0.0053	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.005
Hexachlorocyclopentadiene	NS	<0.025	<0.026	<0.025	<0.025	<0.025	<0.026	<0.025	<0.025
Hexachloroethane	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Isophorone	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.021	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020
Naphthalene	NS	<0.005	<0.0053	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.005
2-Nitroaniline	NS	<0.050	<0.053	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050
3-Nitroaniline	NS	<0.050	<0.053	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050
4-Nitroaniline	NS	<0.050	<0.053	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050
Nitrobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
2-Nitrophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
4-Nitrophenol	NS	<0.050	<0.053	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
N-Nitroso-di-n-propylamine	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
N-Nitrosodiphenylamine	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Pentachlorophenol	0.013	<0.050	<0.053	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050
Phenanthrene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Phenol	0.58	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Pyrene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	0.0014J	<0.010
1,2,4-Trichlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
2,4,5-Trichlorophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
2,4,6-Trichlorophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0025
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.026	<0.025
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TPH-D	NS	<0.25	<0.25	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	0.169
TPH-O	NS	<0.5	<0.5	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150
Aluminum	NS	0.360	0.180J	1.33	<2.0	0.371J	0.0822J	2.81	1.8	<0.06	<0.01
Antimony	NS	<0.06	<0.12	<0.120	<0.6	<0.12	<0.06	<0.06	<0.06	<0.06	<0.01
Arsenic	0.069	<0.01	<0.02	<0.02	<0.1	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Barium	NS	0.169J	0.219J	0.219J	0.167J	0.298J	0.174J	0.262	0.173J	<0.005	<0.005
Beryllium	NS	<0.005	<0.01	<0.01	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	0.042	<0.005	<0.01	0.00203J	<0.05	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	NS	219	217	250	239	283	189	223	198	<0.01	<0.01
Chromium	1.1	<0.01	<0.02	<0.02	<0.1	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt	NS	0.00131J	0.00299J	0.00331J	<0.1	0.00683J	0.00209J	0.00306J	0.00268J	<0.01	<0.01
Copper	0.0048	<0.01	<0.02	<0.02	<0.1	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	NS	0.727	1.17	2.65	2.51	2.56	0.542	3.59	2.8	<0.002	<0.002
Lead	0.210	0.0107	0.019	0.0219	<0.05	0.0205	0.00965	0.0102	0.00928	<0.04	<0.04
Magnesium	NS	486	544	605	656	617	398	474	394	<0.005	<0.005
Manganese	NS	0.334	0.396	0.523	0.553	1.14	0.467	0.516	0.267	<0.005	<0.005
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.074	<0.04	<0.08	<0.08	<0.4	<0.08	<0.04	<0.04	<0.04	<0.04	<0.04
Potassium	NS	304	254	277	220	272	243	262	237	<0.005	<0.005
Selenium	0.290	<0.035	<0.07	<0.07	<0.35	<0.07	<0.035	<0.035	0.0177J	<0.005	<0.005
Silver	0.0019	0.00533J	<0.02	0.00418J	<0.1	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium	NS	5450	6800	5740	5630	5380	6010	5970	5590	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Thallium	NS	<0.01	<0.2	<0.02	<0.1	<0.02	<0.01	<0.01	<0.01
Vanadium	NS	<0.05	<0.1	0.00473J	0.119J	0.00513J	<0.05	<0.05	<0.05
Zinc	0.090	0.0121J	0.014J	0.0326J	<0.1	0.0135J	0.00576J	0.0143J	<0.02
Ammonia	0.03	0.155	0.146	0.410	0.334	1.08	1.21	<0.1	0.280
TSS	45	41.0	61.0	73.0	50.0	72.0	34.0	104	88.0
TOC	0.10%	16.1	12.3	16.0	10.0	15.5	24.2	10.6	22.2
BOD	45	6.06	14.0	12.3	7.08	18.6	9.02	<2.0	4.05
COD	45	240	515	460	200	140	100	1160	530
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0465	<0.01	0.0118	0.0115
pH	6.0-9.0	7.68	7.86	7.54	6.99	7.15	7.47	7.64	7.71

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 16: Summary of Pumping Station Analytical Results – Sunrise #2

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	0.00086J	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3- chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	0.00236J	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
1,1,1,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethane	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	0.00092J	<0.005	<0.005	<0.005	<0.005	0.00116J	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Benzoic acid	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020
4-Bromophenyl-phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020
bis(2-Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
2,2'-oxybis(1-Chloropropane)	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.005
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010
Chrysenes	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Di-n-butylphthalate	NS	0.001J	<0.010	<0.010	<0.010	<0.010	<0.011	0.0015J	0.0014J	<0.010	
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	0.0051J	<0.010	<0.010	<0.010	
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050	<0.050	
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050	<0.050	
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
bis(2-ethylhexyl)phthalate	NS	0.0013J	<0.005	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.005	<0.005	
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	0.0035J	<0.010	<0.010	
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.005	<0.005	
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.025	
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	
Naphthalene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0053	<0.005	<0.005	<0.005	
2-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050	<0.050	
3-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050	<0.050	
4-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050	<0.050	
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
4-Nitrophenol	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.053	<0.050	<0.050	<0.050	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)											
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05				
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pentachlorophenol	0.013	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0021J	<0.010	<0.010
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aldrin	0.0013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
alpha-BHC	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
beta-BHC	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
delta-BHC	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
gamma-BHC	0.00016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4,4'-DDD	0.00125	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4,4'-DDE	0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4,4'-DDT	0.00013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dieldrin	0.00071	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endosulfan I	0.000034	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Endosulfan II	0.000034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endrin	0.000037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endrin aldehyde	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Endrin ketone	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Heptachlor	0.000053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Methoxychlor	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toxaphene	0.00021	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)										
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05			
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
TPH-D	NS	<0.25	<0.25	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	0.221
TPH-O	NS	<0.5	<0.5	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150
Aluminum	NS	0.218	0.326J	0.207J	<0.2	<0.2	<0.2	0.566	<0.2	2.55	<0.06	1.53
Antimony	NS	<0.06	<0.12	<0.120	<0.06	<0.06	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06
Arsenic	0.069	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Barium	NS	0.158J	0.224J	0.213J	0.234	0.234	0.234	0.298J	0.188J	0.258	0.222	0.222
Beryllium	NS	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
Cadmium	0.042	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.005	1.19J	<0.005	<0.005
Calcium	NS	196	221	244	218	244	218	293	203	228	199	199
Chromium	1.1	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Cobalt	NS	0.00135J	0.00269J	0.00228J	0.00711J	0.00711J	0.00711J	0.00589J	0.00249J	0.00337J	0.00254J	0.00254J
Copper	0.0048	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01
Iron	NS	0.640	1.23	0.809	1.98	0.809	1.98	2.59	0.622	3.46	2.57	2.57
Lead	0.210	0.0104	0.0164	0.0304	0.00809	0.0304	0.00809	0.0236	0.00765	0.0107	0.00838	0.00838
Magnesium	NS	456	544	584	406	584	406	630	410	481	388	388
Manganese	NS	0.307	0.528	0.495	1.25	0.495	1.25	1.21	0.535	0.498	0.350	0.350
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	0.074	<0.04	<0.08	<0.08	0.00734J	<0.08	0.00734J	<0.08	<0.04	<0.04	<0.04	<0.04
Potassium	NS	272	254	262	204	262	204	275	260	272	222	222
Selenium	0.290	<0.035	<0.07	<0.07	<0.035	<0.07	<0.035	<0.07	<0.035	<0.035	0.021J	0.021J
Silver	0.0019	0.00384J	<0.02	0.00525J	0.00268J	0.00525J	0.00268J	<0.02	<0.01	<0.01	<0.01	<0.01
Sodium	NS	5680	5150	5900	4300	5900	4300	5300	6100	6300	5350	5350

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Thallium	NS	<0.01	<0.2	<0.02	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	NS	<0.05	<0.100	0.00699J	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05
Zinc	0.090	<0.02	<0.04	0.0271J	0.0268	0.0183J	0.0307	0.0133J	0.0133J	0.0133J	<0.02
Ammonia	0.03	0.122	0.210	0.488	1.05	0.826	1.09	0.435	0.435	0.402	0.402
TSS	45	35.0	71.0	44.0	30.0	42.0	26.0	105	105	82.0	82.0
TOC	0.10%	16.1	11.5	17.5	16.3	16.0	22.6	9.75	9.75	12.8	12.8
BOD	45	7.96	14.5	11.9	9.48	15.2	7.78	<2.0	<2.0	6.39	6.39
COD	45	175	560	460	180	140	160	1220	1220	350	350
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cyanide	0.001	0.0268	<0.01	<0.01	<0.01	0.0902	<0.01	0.0144	0.0144	0.0147	0.0147
pH	6.0-9.0	7.82	7.70	7.25	7.02	7.12	7.48	7.65	7.65	7.92	7.92

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 17: Summary of Pumping Station Analytical Results – Triumph

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	0.00104J	0.00112J	<0.005	0.00232J	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichloroethene	0.2	<0.005	<0.005	<0.005	0.00088J	<0.005	<0.005	<0.005	<0.005	<0.005	
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Benzoic acid	NS	<0.050	<0.050	<0.050	<0.050	<0.051	<0.053	<0.050	<0.050	<0.050	
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Benzyl alcohol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	
4-Bromophenyl- phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
4-Chloroaniline	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	
bis(2- Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.005	<0.005	<0.005	<0.0051	<0.0053	<0.005	<0.005	<0.005	
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Di-n-butylphthalate	NS	0.0011J	<0.010	<0.010	<0.010	<0.010	<0.011	0.0017J	<0.010	<0.010	
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	0.0024J	<0.010	<0.010	
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
bis(2-ethylhexyl)phthalate	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.005	<0.005	
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.005	<0.005	
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.025	
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Methylphenol	NS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	
Naphthalene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0051	<0.005	<0.005	<0.005	
2-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	
3-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	
4-Nitroaniline	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
4-Nitrophenol	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.051	<0.050	<0.050	<0.050	

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Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Pentachlorophenol	0.013	<0.050	<0.050	<0.050	<0.050	<0.051	<0.053	<0.050	<0.050	<0.050	
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005	<0.0005	
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005	<0.0005	
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005	<0.0005	
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005	<0.0005	
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005	<0.0005	
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005	<0.0005	
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005	<0.0005	
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005	<0.0005	
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00052	<0.0005	<0.0005	
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00026	<0.00025	<0.00025	
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026	<0.0025	<0.0025	
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	0.283	1.30	0.340	<0.250	0.303	<0.250	0.347	<0.250	0.308	
TPH-O	NS	<0.5	0.936	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150	
Aluminum	NS	0.601	0.203J	0.179J	<0.2	0.327	0.053J	<0.2	<0.06	0.0684J	
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	
Arsenic	0.069	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.300	0.346J	0.386	0.340	0.372	0.419	0.494	0.494	0.453	
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.01	0.00116J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Calcium	NS	218	270	263	238	286	244	287	269	269	
Chromium	1.1	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Cobalt	NS	0.00171J	0.0018J	0.00291J	0.00245J	0.00257J	0.00368J	0.00296J	0.00458J	0.00458J	
Copper	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.271	<0.2	0.556	0.276	0.516	0.720	0.584	0.111	0.111	
Lead	0.210	0.0138	0.014	0.0126	0.00873	0.00671	0.00944	0.00833	0.00972	0.00972	
Magnesium	NS	331	403	326	300	325	289	342	306	306	
Manganese	NS	0.827	0.646	0.759	0.686	0.888	1.01	0.825	0.649	0.649	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	<0.08	0.00397J	<0.04	0.00373J	0.00466J	0.00404J	0.00365J	0.00365J	
Potassium	NS	153	155	132	119	126	114	126	121	121	
Selenium	0.290	<0.035	<0.07	<0.035	<0.035	<0.035	<0.035	<0.035	0.0178J	0.0178J	
Silver	0.0019	0.00254J	<0.02	0.00254J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Sodium	NS	3400	3470	3160	2670	2900	3140	3520	3350	3350	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	NS	<0.05	0.00669J	<0.05	<0.05	<0.05	0.00117J	0.00234J	<0.05
Zinc	0.090	<0.02	<0.04	0.0273	0.0131J	0.0206	0.00683J	<0.02	<0.02
Ammonia	0.03	0.450	0.367	0.392	0.285	0.472	0.476	<0.1	<0.100
TSS	45	21.0	34.0	37.0	15.0	55.0	34.0	21.0	44.0
TOC	0.10%	22.8	17.3	19.5	16.4	23.6	30.5	16.7	19.1
BOD	45	3.0	5.43	10.9	8.4	17.9	6.57	<2.0	4.98
COD	45	155	115	380	132	108	107	527	360
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cyanide	0.001	<0.01	0.0162	<0.01	<0.01	0.0837	0.0112	0.0141	0.0173
pH	6.0-9.0	7.75	7.61	7.71	7.25	7.80	7.40	7.94	7.94

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 18: Summary of Pumping Station Analytical Results – Duvic

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3-chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.75	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	<0.005	<0.005	0.00141J	<0.005	<0.005	0.00211J	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Acenaphthylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzo(a)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzo(b)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzo(k)fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzoic acid	NS	<0.050	<0.050	<0.052	<0.050	<0.051	<0.051	<0.050	<0.056
Benzo(g,h,i)perylene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzo(a)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Benzyl alcohol	NS	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.022
4-Bromophenyl- phenylether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Butylbenzylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
Carbazole	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
4-Chloroaniline	NS	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.022
bis(2- Chloroethoxy)methane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
bis(2-Chloroethyl)ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
2,2'-oxybis(1- Chloropropane)	NS	<0.005	<0.005	<0.0052	<0.005	<0.0051	<0.0051	<0.005	<0.0056
4-Chloro-3-methylphenol	NS	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.022
2-Chloronaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
2-Chlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011
4-Chlorophenol phenyl ether	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011

J = J-flagged data -- estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Chrysene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzofuran	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-butylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0014J	0.0012J
1,2-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,3-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,4-Dichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
3,3'-Dichlorobenzidene	NS	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	<0.022
2,4-Dichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Diethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-Dimethylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dimethylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0039J	<0.010
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.050	<0.052	<0.050	<0.052	<0.051	<0.050	<0.056
2,4-Dinitrophenol	NS	<0.050	<0.050	<0.052	<0.050	<0.052	<0.051	<0.050	<0.056
2,4-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,6-Dinitrotoluene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Di-n-octylphthalate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
bis(2-ethylhexyl)phthalate	NS	<0.005	<0.005	<0.0052	<0.005	<0.0052	<0.0051	<0.005	<0.0056
Fluoranthene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Hexachlorobutadiene	0.0016	<0.005	<0.005	<0.0052	<0.005	<0.0052	<0.0051	<0.005	<0.0056
Hexachlorocyclopentadiene	NS	<0.025	<0.025	<0.026	<0.025	<0.026	<0.026	<0.025	<0.028
Hexachloroethane	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isophorone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylnaphthalene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Methylphenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methylphenol	NS	<0.020	<0.020	<0.021	<0.020	<0.021	<0.020	<0.020	<0.022
Naphthalene	NS	<0.005	<0.005	<0.0052	<0.005	<0.0052	<0.0051	<0.005	<0.0056
2-Nitroaniline	NS	<0.050	<0.050	<0.052	<0.050	<0.052	<0.051	<0.050	<0.056
3-Nitroaniline	NS	<0.050	<0.050	<0.052	<0.050	<0.052	<0.051	<0.050	<0.056
4-Nitroaniline	NS	<0.050	<0.050	<0.052	<0.050	<0.052	<0.051	<0.050	<0.056
Nitrobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2-Nitrophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
4-Nitrophenol	NS	<0.050	<0.050	<0.052	<0.050	<0.051	<0.051	<0.050	<0.056		
N-Nitroso-di-n-propylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
N-Nitrosodiphenylamine	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
Pentachlorophenol	0.013	<0.050	<0.050	<0.052	<0.050	<0.051	<0.051	<0.050	<0.056		
Phenanthrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
Phenol	0.58	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
Pyrene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
1,2,4-Trichlorobenzene	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
2,4,5-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
2,4,6-Trichlorophenol	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011		
Aldrin	0.0013	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
alpha-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
beta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
delta-BHC	NS	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
gamma-BHC	0.00016	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00053		
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00053		
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00053		
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00053		
Endosulfan I	0.000034	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00053		
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00053		
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00053		
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00053		
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.00051	<0.00053		
Heptachlor	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027		
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0027		
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.027		
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010		
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	0.319	0.285	0.715	0.279	0.338	0.346	0.306	0.306	0.497	
TPH-O	NS	<0.5	<0.5	0.701	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150	
Aluminum	NS	0.262	0.676	1.39	0.348	0.507	0.264	0.436	1.42	1.42	
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	
Arsenic	0.069	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.370	0.425	0.429	0.404	0.458	0.438	0.540	0.518	0.518	
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.01	0.0013J	<0.005	<0.005	<0.005	0.00103J	<0.005	<0.005	
Calcium	NS	194	243	231	189	214	177	215	208	208	
Chromium	1.1	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.00145J	0.00145J	
Cobalt	NS	0.00181J	0.00254J	0.00266J	0.00238J	0.00167J	0.00238J	0.00229J	0.00262J	0.00262J	
Copper	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.396	0.761	1.36	0.877	0.613	0.631	1.02	2.32	2.32	
Lead	0.210	0.011	0.0156	0.0107	0.00837	0.0108	0.00844	0.011	0.0103	0.0103	
Magnesium	NS	336	416	359	300	316	264	305	259	259	
Manganese	NS	0.802	0.906	0.961	0.905	0.587	0.950	0.769	0.500	0.500	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	<0.08	0.00479J	<0.04	<0.04	0.0032J	<0.04	0.00615J	0.00615J	
Potassium	NS	157	164	155	121	126	101	107	91.5	91.5	
Selenium	0.290	<0.035	<0.07	<0.035	<0.035	<0.035	<0.035	<0.035	0.0183J	0.0183J	
Silver	0.0019	0.00211J	<0.02	0.00276J	<0.01	0.00223J	<0.01	<0.01	<0.01	<0.01	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Sodium	NS	3510	3980	3560	2870	2930	2840	3090	2710		
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Vanadium	NS	<0.05	0.0109J	<0.05	0.00109J	0.0027J	0.00238J	0.00732J	<0.05		
Zinc	0.090	0.0157J	0.0263J	1.21	0.0151J	0.0163J	0.0126J	0.0106J	0.0215		
Ammonia	0.03	0.474	0.286	0.467	0.259	0.229	0.322	0.147	<0.100		
TSS	45	30.0	39.0	58.0	36.0	40.0	55.0	38.0	182		
TOC	0.10%	27.7	21.4	27.2	19.5	27.8	31.0	19.4	30.0		
BOD	45	5.25	7.5	15.2	7.14	9.06	7.38	5.22	8.97		
COD	45	120	132	410	96.0	122	123	136	320		
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0519	0.0161	0.0140	0.0229		
pH	6.0-9.0	7.71	7.92	7.76	7.38	8.22	7.64	8.05	7.96		

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.
2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 19: Summary of Pumping Station Analytical Results – Grand Liard

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)								
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05	
Acetone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	2.7	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromodichloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromoform	1.79	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon disulfide	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroform	8.15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromo-3- chloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dibromoethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dichlorodifluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	22.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-Dichloroethene	11.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,3-Dichloropropene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	8.76	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Isopropylbenzene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylacetate	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene chloride	NS	0.00101	<0.005	0.00113J	0.00116J	<0.005	0.00228J	<0.005	<0.005	<0.005
4-Methyl-2-pentanone	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methyl tert butyl ether	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
1,1,2,2-Tetrachloroethane	0.902	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.95	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	3.12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.2	<0.005	<0.005	<0.005	0.00088J	<0.005	<0.005	<0.005	<0.005
Trichlorofluoromethane	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl chloride	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
m,p-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o-Xylene	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Acenaphthylene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Anthracene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzo(a)anthracene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzo(b)fluoranthene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzoic acid	NS	<0.050	<0.053	<0.050	<0.050	<0.053	<0.051	<0.050	<0.051
Benzo(g,h,i)perylene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzo(a)pyrene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Benzyl alcohol	NS	<0.020	<0.021	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020
4-Bromophenyl-phenylether	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Butylbenzylphthalate	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Carbazole	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
4-Chloroaniline	NS	<0.020	<0.021	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020
bis(2-Chloroethoxy)methane	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
bis(2-Chloroethyl)ether	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
2,2'-oxybis(1-Chloropropane)	NS	<0.005	<0.0053	<0.005	<0.005	<0.0053	<0.0051	<0.005	<0.0051
4-Chloro-3-methylphenol	NS	<0.020	<0.021	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020
2-Chloronaphthalene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
2-Chlorophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
4-Chlorophenol phenyl ether	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Chrysene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dibenz(a,h)anthracene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Dibenzofuran	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Di-n-butylphthalate	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	0.0017J	<0.010	<0.010	
1,2-Dichlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
1,3-Dichlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
1,4-Dichlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
3,3'-Dichlorobenzidene	NS	<0.020	<0.021	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	
2,4-Dichlorophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Diethylphthalate	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
2,4-Dimethylphenol	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Dimethylphthalate	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	0.025	
4,6-Dinitro-2-methylphenol	NS	<0.050	<0.053	<0.050	<0.050	<0.053	<0.051	<0.051	<0.051	<0.051	
2,4-Dinitrophenol	NS	<0.050	<0.053	<0.050	<0.050	<0.053	<0.051	<0.051	<0.051	<0.051	
2,4-Dinitrotoluene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
2,6-Dinitrotoluene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Di-n-octylphthalate	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
bis(2-ethylhexyl)phthalate	NS	<0.005	<0.0053	<0.005	<0.005	<0.0053	<0.0051	<0.005	<0.0051	<0.0051	
Fluoranthene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Fluorene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Hexachlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Hexachlorobutadiene	0.0016	<0.005	<0.0053	<0.005	<0.005	<0.0053	<0.0051	<0.005	<0.0051	<0.0051	
Hexachlorocyclopentadiene	NS	<0.025	<0.026	<0.025	<0.025	<0.026	<0.026	<0.025	<0.026	<0.026	
Hexachloroethane	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Indeno(1,2,3-cd)pyrene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
Isophorone	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
2-Methylnaphthalene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
2-Methylphenol	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
4-Methylphenol	NS	<0.020	<0.021	<0.020	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	
Naphthalene	NS	<0.005	<0.0053	<0.005	<0.005	<0.0053	<0.0051	<0.005	<0.0051	<0.0051	
2-Nitroaniline	NS	<0.050	<0.053	<0.050	<0.050	<0.053	<0.051	<0.050	<0.051	<0.051	
3-Nitroaniline	NS	<0.050	<0.053	<0.050	<0.050	<0.053	<0.051	<0.050	<0.051	<0.051	
4-Nitroaniline	NS	<0.050	<0.053	<0.050	<0.050	<0.053	<0.051	<0.050	<0.051	<0.051	
Nitrobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
2-Nitrophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010	
4-Nitrophenol	NS	<0.050	<0.053	<0.050	<0.050	<0.053	<0.051	<0.050	<0.051	<0.051	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/DEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
N-Nitroso-di-n-propylamine	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
N-Nitrosodiphenylamine	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Pentachlorophenol	0.013	<0.050	<0.053	<0.050	<0.050	<0.053	<0.051	<0.050	<0.051
Phenanthrene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Phenol	0.58	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Pyrene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
1,2,4-Trichlorobenzene	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
2,4,5-Trichlorophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
2,4,6-Trichlorophenol	NS	<0.010	<0.011	<0.010	<0.010	<0.011	<0.010	<0.010	<0.010
Aldrin	0.0013	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
alpha-BHC	NS	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
beta-BHC	NS	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
delta-BHC	NS	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
gamma-BHC	0.00016	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
alpha-Chlordane	0.00009	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
gamma-Chlordane	0.00009	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
4,4'-DDD	0.00125	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00054
4,4'-DDE	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00054
4,4'-DDT	0.00013	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00054
Dieldrin	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00054
Endosulfan I	0.000034	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
Endosulfan II	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00054
Endosulfan sulfate	0.000034	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00054
Endrin	0.000037	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00054
Endrin aldehyde	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00054
Endrin ketone	NS	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00054
Heptachlor	0.000053	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
Heptachlor epoxide	0.000053	<0.0005	<0.0005	<0.0025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00027
Methoxychlor	NS	<0.005	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0027
Toxaphene	0.00021	<0.05	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.027
2,4-D	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Dalapon	NS	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
2,4-DB	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dicamba	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Dichloroprop	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/IDEQ Water Quality Criteria (mg/l) Saltwater	Analysis Result (mg/l)									
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05		
Dinoseb	NS	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
MCPA	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
MCPP	NS	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	
2,4,5-T	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2,4,5-TP	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1016	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1221	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1232	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1242	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1248	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1254	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Arochlor-1260	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
TPH-G	NS	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	
TPH-D	NS	<0.25	<0.25	0.294	<0.250	0.289	0.281	0.344	0.344	0.354	
TPH-O	NS	<0.5	<0.5	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.150	
Aluminum	NS	0.103J	0.298J	0.401	<0.2	0.181J	<0.2	0.610	0.610	0.0712J	
Antimony	NS	<0.06	<0.12	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	
Arsenic	0.069	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Barium	NS	0.286	0.373J	0.328	0.314	0.397	0.346	0.473	0.473	0.454	
Beryllium	NS	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Cadmium	0.042	<0.005	<0.01	<0.005	<0.005	<0.005	0.00104J	<0.005	<0.005	<0.005	
Calcium	NS	212	295	238	222	275	207	273	273	269	
Chromium	1.1	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Cobalt	NS	0.00142J	0.00283J	0.00236J	0.00267J	0.00293J	0.00328J	0.00325J	0.00325J	0.00208J	
Copper	0.0048	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Iron	NS	0.131	0.265	0.785	0.473	0.0889J	0.380	1.05	1.05	0.0591J	
Lead	0.210	0.0138	0.015	0.00983	0.00494J	0.00781	0.00867	0.00872	0.00872	0.00693	
Magnesium	NS	326	440	296	273	337	262	343	343	306	
Manganese	NS	0.720	0.715	0.748	0.709	0.848	0.756	1.05	1.05	0.635	
Mercury	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
Nickel	0.074	<0.04	<0.08	<0.04	<0.04	<0.04	<0.04	0.0046J	0.0046J	0.00429J	
Potassium	NS	148	176	116	102	134	96.7	127	127	121	
Selenium	0.290	<0.035	<0.07	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	
Silver	0.0019	<0.01	<0.02	0.00281J	<0.01	0.00236J	<0.01	<0.01	<0.01	<0.01	
Sodium	NS	3440	3700	3230	2440	3130	2970	3500	3500	3290	

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Parameter	EPA/LDEQ Water Quality Criteria (mg/l) Saltwater ¹	Analysis Result (mg/l)							
		10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05
Thallium	NS	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	NS	<0.05	0.006J	0.0026J	0.00197J	<0.05	0.00113J	0.00477J	<0.05
Zinc	0.090	<0.02	<0.04	0.339	0.0141J	0.0115J	<0.02	0.00602J	<0.02
Ammonia	0.03	0.517	0.362	0.569	0.454	0.291	0.372	<0.1	<0.100
TSS	45	18.0	30.0	24.0	15.0	28.0	33.0	70.0	36.0
TOC	0.10%	23.0	16.4	20.4	16.2	23.6	28.6	17.4	18.5
BOD	45	13.4	4.08	13.8	8.22	10.2	9.83	<2.0	5.22
COD	45	135	144	350	82.0	127	150	409	360
Oil & Grease	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cyanide	0.001	<0.01	<0.01	<0.01	<0.01	0.0448	0.0107	0.0111	0.0136
pH	6.0-9.0	7.70	7.72	7.46	7.27	7.85	7.56	8.14	7.96

1. EPA water quality criteria are listed first. If there are no EPA criteria for a parameter, Louisiana criteria are listed.

2. NS = no standard/water quality criteria

J = J-flagged data – estimated concentration above the method detection limit and below the reporting limit

Table 20: Sample Point Summary

Pumping Station	Sample Point (Intake or Outlet)										
	10/25/05	10/27/05	11/1/05	11/3/05	11/8/05	11/10/05	11/15/05	11/22/05			
Belle Chasse 1	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Belle Chasse 2	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Braithwaite	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Outlet			
Scarsdale	Outlet	Intake	Outlet	Outlet	Outlet	Intake	Intake	Intake			
Bellevue	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Point a la Hache	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Ollie 1	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Ollie 2	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Ollie 3	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
West Point a la Hache	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Diamond	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Diamond (duplicate)	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Hayes	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Gainard Woods	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Sunrise 1	Intake	Intake	Outlet	Outlet	Intake	Intake	Intake	Intake			
Sunrise 2	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Outlet			
Triumph	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Duvic	Intake	Intake	Intake	Intake	Intake	Intake	Intake	Intake			
Grand Liard	Intake	Intake	Intake	Intake	Intake	Intake	Outlet	Intake			

Figure 1: Pumping Stations – North

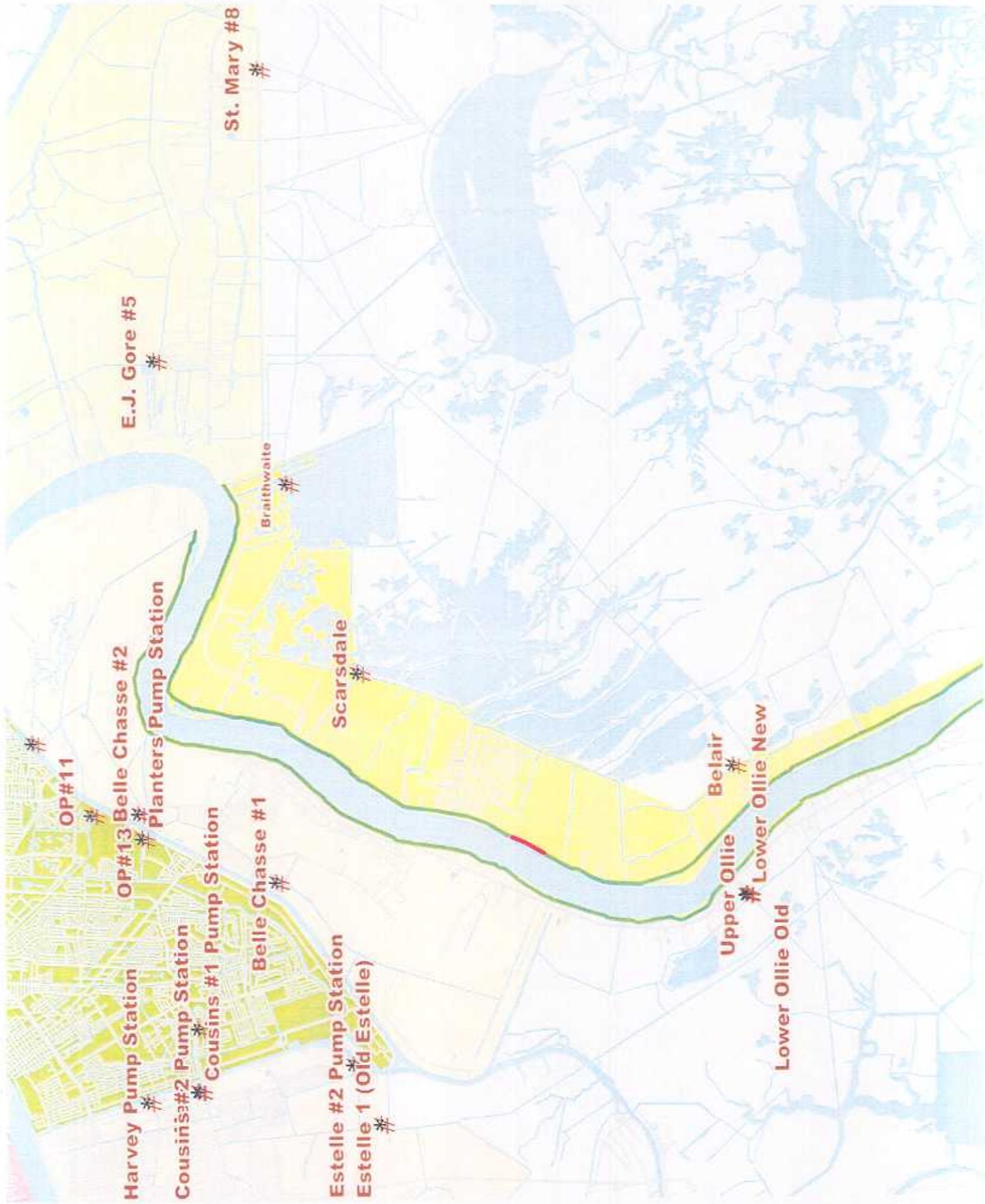
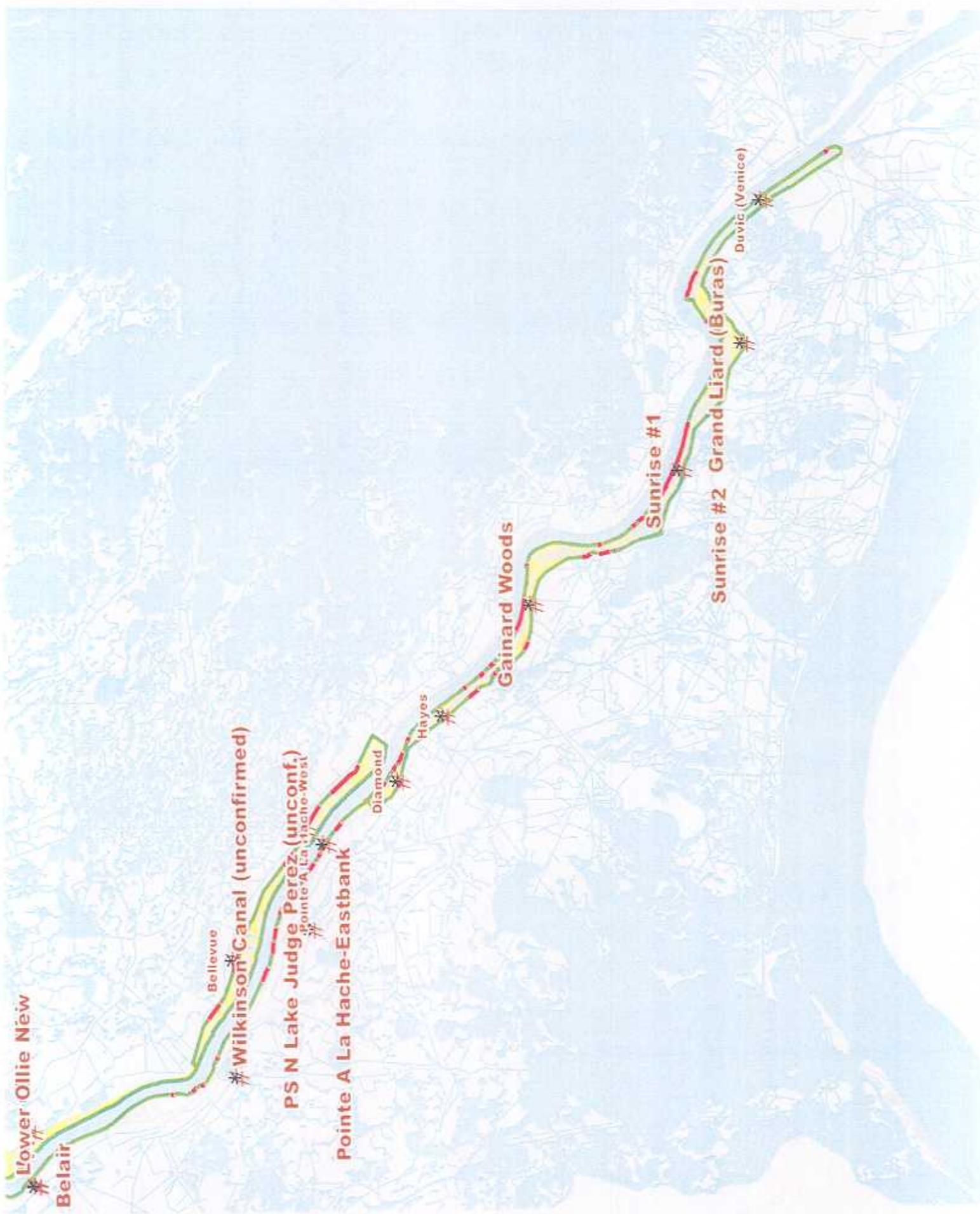


Figure 2: Pumping Stations – South



Lower Ollie New
Belair

Bellevue

Wilkinson Canal (unconfirmed)

PS N Lake Judge Perez (unconf.)
Pointe A La Hache-Eastbank

Diamond

Hayes

Gainard Woods

Sunrise #1

Sunrise #2 Grand Liard (Buras)

Duvic (Venice)

Appendices

Appendix A: Field Logs and Site Documentation

Table 1: Sample Table

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BC1	10/25/05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #1	Intake
	12:50				7.24 16.5°C	
W-2832ACE-date-BC2	10/25/05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #2	Keys Needed To Enter Gate Intake
	13:30				7.64 21.0°C	
W-2832ACE-date-BW	10/25/05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Braithwaite	Intake
	11:10				7.33 16.3°C	
W-2832ACE-date-SC	10/25/05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Scarsdale	Outlet Outlet NA.
	10:30				7.28 18.7°C	
W-2832ACE-date-PH	10-25-05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Point a la Hache	MS/MSD* Intake
	08:50				6.37 16.8°C	

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BV	10-25-05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Bellevue	Intake
	09:40				7.43 17.4°C	
W-2832ACE-date-OL1	10/25/05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #1	Intake
	14:15				7.55 18.8°C	
W-2832ACE-date-OL2	10/25/05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #2	Intake
	14:40				7.96 19.6°C	
W-2832ACE-date-OL3	10/25/05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #3	Intake
	15:00				7.90 20.6°C	
W-2832ACE-date-WPH	10/25/05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	West Point a la Hache	Intake
	1355				7.81 17.0°C	

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-DI	10/25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond	Intake
	13/10				7.48 17.5°C	
W-2832ACE-date-DIa	10/25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond	Duplicate* Intake
	13/20				7.77 17.5°C	
W-2832ACE-date-HY	10/25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Hayes	Intake
	12/40				7.70 19.0°C	
W-2832ACE-date-GW	10/25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Gainard Woods	Intake
	12/05				8.12 17.0°C	
W-2832ACE-date-SR1	10/25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #1	Intake
	11/05				7.68 16.5°C	

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-SR2	10/25 1120	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #2 7.82 16.5°C	Intake
W-2832ACE-date-TR	10/25 1010	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Triumph 7.75 17.5°C	Intake
W-2832ACE-date-DV	10/25 0905	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Duvic 7.71 17.2°C	Intake
W-2832ACE-date-GL	10/25 0905	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Grand Liard 7.70 18.0°C	Intake
W-2832ACE-date-TBEB	08-50 10-25-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBEB	08-00 10-25-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-TBWB	10-25-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBWB	10-25-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—

*Actual sample will be determined in the field.

Appendix A: Sample Containers, Preservation, and Holding Time

<u>Parameter/Method</u>	<u>Container/Preservation</u>	<u>Holding Time</u>
Volatiles(SW 8260)	3-40ml Vials/HCL	14 days
Semivolatiles(SW 8270)	2-1L Amber/ 4°C	7 days extraction/ 40 days
Pesticides (SW 8081)	2-1L Amber/4°C	7 days extraction/ 40 days
PCBs(SW 8082)	2-1L Amber/4°C	7 days extraction/ 40 days
Herbicides (SW 8151)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-D&O (SW 8015)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-Gasoline(SW 8015)	2-40ml Vials/HCL	7 days extraction/ 40 days
TAL Metals(SW 6010/7470)	500ml plastic/HNO ₃	180 days
Cyanide (EPA 335.2)	500ml plastic/NaOH	14 days
Ammonia (EPA 350.2)	250ml plastic/H ₂ SO ₄	28 days
TOC (EPA 415.1)	40ml amber vial/ H ₂ SO ₄	28 days
COD (EPA 410.1)	125ml plastic/ H ₂ SO ₄	28 days
BOD (EPA 405.1)	1000ml plastic/ 4°C	48 hrs.
Oil & Grease (EPA 1664)	1000ml plastic/HCL	28 days
TSS (EPA 160.2)	250ml plastic/ 4°C	7 days

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Table 1: Sample Table

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BC1	10-27-05 11:40	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #1 7.32 17.0°C	Intake
W-2832ACE-date-BC2	10-27-05 12:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #2 8.19 17.0°C	Intake
W-2832ACE-date-BW	10-27-05 10:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Braithwaite 9.03 17.0°C	Intake
W-2832ACE-date-SC	10-27-05 10:00	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Scarsdale 7.97 17.0°C	Intake
W-2832ACE-date-PH	10-27-05 08:40	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015R), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Point a la Hache 7.32 17.0°C	MS/MSD* Intake

8.51
 17.0°C

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BV	10-27-05 09:10	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Bellevue 7.78 17.0°C	Intake
W-2832ACE-date-OL1	10-27-05 12:40	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #1 8.69 17.0°C	Intake
W-2832ACE-date-OL2	10-27-05 13:00	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #2 8.63 17.0°C	Intake
W-2832ACE-date-OL3	10-27-05 13:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #3 8.77 17.0°C	Intake
W-2832ACE-date-WPH	10-27-05 15:10	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	West Point a la Hache 8.47 18.0°C	Intake 250ml Jar (NIST) not in cooler. NH ₃

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-DI	10-27-05 14:45	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.72 19.0°C	Intake
W-2832ACE-date-DIa	10-27-05 14:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.48 18.0°C	Duplicate* Intake
W-2832ACE-date-HY	10-27-05 12:10	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Hayes 7.38 19.0°C	Intake
W-2832ACE-date-GW	10-27-05 11:40	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Gainard Woods 7.51 18.0°C	Intake
W-2832ACE-date-SR1	10-27-05 10:20	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #1 7.86 18.0°C	Intake

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-SR2	10-27-05 10:35	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #2 7.70 18.0°C	Intake
W-2832ACE-date-TR	09:00 13:40 10-27-05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Triumph 7.61 19.0°C	Intake
W-2832ACE-date-DV	09:00 10-27-05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Duvic 7.92 17.0°C	Intake
W-2832ACE-date-GL	10-27-05 09:45	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Grand Liard 7.72 16°C	Intake
W-2832ACE-date-TBEB		VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	
W-2832ACE-date-FBEB		VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	
W-2832ACE-date-TBWB	09:00 10-27-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	
W-2832ACE-date-FBWB	07:00 10-27-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	

*Actual sample will be determined in the field.

Handwritten initials: H. H. H. H. H.

Materials Management Group, Inc.
 (504) 368-0568

Appendix A: Sample Containers, Preservation, and Holding Time

Parameter/Method	Container/Preservation	Holding Time
Volatiles(SW 8260)	3-40ml Vials/HCL	14 days
Semivolatiles(SW 8270)	2-1L Amber/ 4°C	7 days extraction/ 40 days
Pesticides (SW 8081)	2-1L Amber/4°C	7 days extraction/ 40 days
PCBs(SW 8082)	2-1L Amber/4°C	7 days extraction/ 40 days
Herbicides (SW 8151)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-D&O (SW 8015)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-Gasoline(SW 8015)	2-40ml Vials/HCL	7 days extraction/ 40 days
TAL Metals(SW 6010/7470)	500ml plastic/HNO ₃	180 days
Cyanide (EPA 335.2)	500ml plastic/NaOH	14 days
Ammonia (EPA 350.2)	250ml plastic/H ₂ SO ₄	28 days
TOC (EPA 415.1)	40ml amber vial/ H ₂ SO ₄	28 days
COD (EPA 410.1)	125ml plastic/ H ₂ SO ₄	28 days
BOD (EPA 405.1)	1000ml plastic/ 4°C	48 hrs.
Oil & Grease (EPA 1664)	1000ml plastic/HCL	28 days
TSS (EPA 160.2)	250ml plastic/ 4°C	7 days

Bohle not in cooler @ W-2832ACE-1027-WPH

Table 1: Sample Table

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BC1	11-1-05 11:25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #1 7.90 18.2°C	Intake
W-2832ACE-date-BC2	11-1-05 12:00	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #2 7.44 18.5°C	Intake
W-2832ACE-date-BW	11-1-05 10:25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Braithwaite 8.21 18.4°C	Intake
W-2832ACE-date-SC	11-1-05 09:40	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Scarsdale 7.08 18.3°C	Outlet
W-2832ACE-date-PH	11-1-05 08:25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Point a la Hache 8.03 18.6°C	MS/MSD* Intake

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BV	11-1-05 08:50	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Bellevue 7.75 17.1°C	Intake
W-2832ACE-date-OL1	11-1-05 12:35	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #1 7.51 17.2°C	Intake
W-2832ACE-date-OL2	11-1-05 12:55	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #2 7.48 17.3°C	Intake
W-2832ACE-date-OL3	11-1-05 13:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #3 7.41 17.2°C	Intake
W-2832ACE-date-WPH	11-1-05 12:50	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	West Point a la Hache 7.53 18.0°C	Intake

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-D1	11-1-05 12:10	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.44 17.0°C	Intake
W-2832ACE-date-D1a	11-1-05 12:20	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.44 17.0°C	Duplicate* Intake
W-2832ACE-date-HY	11-1-05 11:45	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Hayes 7.44 18.0°C	Intake
W-2832ACE-date-GW	11-1-05 11:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Gainard Woods 7.66 18.0°C	Intake
W-2832ACE-date-SR1	11-1-05 10:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #1 7.54 18.0°C	Outlet

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-SR2	11-1-05 10:45	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #2 7.25 18.0°C	In take
W-2832ACE-date-TR	11-1-05 09:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Triumph 7.71 17.0°C	In take
W-2832ACE-date-DV	11-1-05 08:50	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Duvic 7.76 16.0°C	In take
W-2832ACE-date-GL	11-1-05 09:45	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Grand Liard 7.46 17.5°C	In take
W-2832ACE-date-TBEB	11-1-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBEB	11-1-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-TBWB	11-1-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBWB	11-1-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—

*Actual sample will be determined in the field.

Appendix A: Sample Containers, Preservation, and Holding Time

<u>Parameter/Method</u>	<u>Container/Preservation</u>	<u>Holding Time</u>
Volatiles(SW 8260)	3-40ml Vials/HCL	14 days
Semivolatiles(SW 8270)	2-1L Amber/ 4°C	7 days extraction/ 40 days
Pesticides (SW 8081)	2-1L Amber/4°C	7 days extraction/ 40 days
PCBs(SW 8082)	2-1L Amber/4°C	7 days extraction/ 40 days
Herbicides (SW 8151)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-D&O (SW 8015)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-Gasoline(SW 8015)	2-40ml Vials/HCL	7 days extraction/ 40 days
TAL Metals(SW 6010/7470)	500ml plastic/HNO ₃	180 days
Cyanide (EPA 335.2)	500ml plastic/NaOH	14 days
Ammonia (EPA 350.2)	250ml plastic/H ₂ SO ₄	28 days
TOC (EPA 415.1)	40ml amber vial/ H ₂ SO ₄	28 days
COD (EPA 410.1)	125ml plastic/ H ₂ SO ₄	28 days
BOD (EPA 405.1)	1000ml plastic/ 4°C	48 hrs.
Oil & Grease (EPA 1664)	1000ml plastic/HCL	28 days
TSS (EPA 160.2)	250ml plastic/ 4°C	7 days

Table 1: Sample Table

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BC1	11-18-05 1240	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #1 8.43 19.9°C	INTAKE
W-2832ACE-date-BC2	11-08-05 1300	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #2 7.85 20.2°C	INTAKE
W-2832ACE-date-BW	11-08-05 1105	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Braithwaite 8.72 18.4°C	INTAKE
W-2832ACE-date-SC	11-03-05 1015	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Scarsdale 7.54 18.3°C	OUTLET
W-2832ACE-date-PH	11-08-05 0830	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Point a la Hache 8.81 17.0°C	MS/MSD* INTAKE

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BV	11-03-05 0910	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Bellevue 8.35 16.4°C	INTAKE
W-2832ACE-date-OL1	11-03-05 1310	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #1 7.91 17.2°C	INTAKE
W-2832ACE-date-OL2	11-03-05 1355	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #2 8.06 19.3°C	INTAKE
W-2832ACE-date-OL3	11-03-05 1410	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #3 8.38 21.9°C	INTAKE
W-2832ACE-date-WPH	11-3-05 12:55	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	West Point a la Hache 8.45 21.0°C	Intake

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-DI	11/3/05 12:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.36 19.0°C	Intake
W-2832ACE-date-DIa	11/3/05 12:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.38 19.0°C	Duplicate* Intake
W-2832ACE-date-HY	11/3/05 11:25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Hayes 7.53 19.0°C	Intake
W-2832ACE-date-GW	11/3/05 11:25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Gainard Woods 7.26 18.5°C	Intake
W-2832ACE-date-SR1	11/3/05 10:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #1 6.99 18.5°C	Outlet

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 Plaquemines Parish, Louisiana
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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-SR2	11/3/05 10:50	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #2 7.02 18.50c	Intake
W-2832ACE-date-TR	11/3/05 09:40	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Triumph 7.25 18.00c	Intake
W-2832ACE-date-DV	11/3/05 08:50	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Duvic 7.38 16.00c	Intake
W-2832ACE-date-GL	11/3/05 09:25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Grand Liard 7.27 18.00c	Intake
W-2832ACE-date-TBEB	11/3/05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBEB	11/3/05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-TBWB	11/3/05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBWB	11/3/05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—

*Actual sample will be determined in the field.

Materials Management Group, Inc.
 (504) 368-0568

Appendix A: Sample Containers, Preservation, and Holding Time

<u>Parameter/Method</u>	<u>Container/Preservation</u>	<u>Holding Time</u>
Volatiles(SW 8260)	3-40ml Vials/HCL	14 days
Semivolatiles(SW 8270)	2-1L Amber/ 4°C	7 days extraction/ 40 days
Pesticides (SW 8081)	2-1L Amber/4°C	7 days extraction/ 40 days
PCBs(SW 8082)	2-1L Amber/4°C	7 days extraction/ 40 days
Herbicides (SW 8151)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-D&O (SW 8015)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-Gasoline(SW 8015)	2-40ml Vials/HCL	7 days extraction/ 40 days
TAL Metals(SW 6010/7470)	500ml plastic/HNO ₃	180 days
Cyanide (EPA 335.2)	500ml plastic/NaOH	14 days
Ammonia (EPA 350.2)	250ml plastic/H ₂ SO ₄	28 days
TOC (EPA 415.1)	40ml amber vial/ H ₂ SO ₄	28 days
COD (EPA 410.1)	125ml plastic/ H ₂ SO ₄	28 days
BOD (EPA 405.1)	1000ml plastic/ 4°C	48 hrs.
Oil & Grease (EPA 1664)	1000ml plastic/HCL	28 days
TSS (EPA 160.2)	250ml plastic/ 4°C	7 days

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 2832-ACE

Table 1: Sample Table

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BC1	11-8-05 1115	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #1 8.25 19.6°C	INTAKE
W-2832ACE-date-BC2	11-8-05 1140	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #2 8.77 20.5°C	INTAKE
W-2832ACE-date-BW	11-8-05 1020	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Bralthwaite 8.41 20.2°C	INTAKE
W-2832ACE-date-SC	11-8-05 0945	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Scarsdale 8.74 19.4°C	OUTLET
W-2832ACE-date-PH	11-8-05 0840	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Point a la Hache 8.74 20.8°C	MS/MSD* INTAKE

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BV	11-8-05 0900	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Bellevue 8.51 18.7°C	INTAKE
W-2832ACE-date-OL1	11-8-05 1215	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #1 8.76 19.4°C	INTAKE
W-2832ACE-date-OL2	11-8-05 1235	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #2 8.91 19.7°C	INTAKE
W-2832ACE-date-OL3	11-8-05 1245	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #3 8.89 20.1°C	INTAKE
W-2832ACE-date-WPH	11-8-05 1225	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	West Point a la Hache 9.43 26.0°C	Intake

Re-Sampling and Analysis Plan - Task 2 Water Sampling, October 24, 2005
 Plaquemines Parish, Louisiana
 2832-ACE

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-DI	11-8-05 <hr/> 12:00	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.40 <hr/> 21.0°C	Intake
W-2832ACE-date-Dia	11-8-05 <hr/> 12:10	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.46 <hr/> 21.0°C	Duplicate* Intake
W-2832ACE-date-HY	11-9-05 <hr/> 11:35	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Hayes 7.46 <hr/> 22.0°C	Intake
W-2832ACE-date-GW	11-8-05 <hr/> 11:05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Gainard Woods 7.69 <hr/> 21.0°C	Intake
W-2832ACE-date-SR1	11-8-05 <hr/> 10:10	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #1 7.15 <hr/> 20.0°C	Intake

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-SR2	11-8-05 10:25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #2 7.12 20.0°C	Intake
W-2832ACE-date-TR	11-8-05 09:20	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Triumph 7.80 20.0°C	Intake
W-2832ACE-date-DV	11-8-05 0850	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Duvic 8.22 21.0°C	Intake
W-2832ACE-date-GL	11-8-05 0940	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Grand Liard 7.85 20.0°C	Intake
W-2832ACE-date-TBEB	11-8-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	---
W-2832ACE-date-FBEB	11-8-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	---
W-2832ACE-date-TBWB	11-8-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	---
W-2832ACE-date-FBWB	11-8-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	---

*Actual sample will be determined in the field.

Appendix A: Sample Containers, Preservation, and Holding Time

<u>Parameter/Method</u>	<u>Container/Preservation</u>	<u>Holding Time</u>
Volatiles(SW 8260)	3-40ml Vials/HCL	14 days
Semivolatiles(SW 8270)	2-1L Amber/ 4°C	7 days extraction/ 40 days
Pesticides (SW 8081)	2-1L Amber/4°C	7 days extraction/ 40 days
PCBs(SW 8082)	2-1L Amber/4°C	7 days extraction/ 40 days
Herbicides (SW 8151)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-D&O (SW 8015)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-Gasoline(SW 8015)	2-40ml Vials/HCL	7 days extraction/ 40 days
TAL Metals(SW 6010/7470)	500ml plastic/HNO ₃	180 days
Cyanide (EPA 335.2)	500ml plastic/NaOH	14 days
Ammonia (EPA 350.2)	250ml plastic/H ₂ SO ₄	28 days
TOC (EPA 415.1)	40ml amber vial/ H ₂ SO ₄	28 days
COD (EPA 410.1)	125ml plastic/ H ₂ SO ₄	28 days
BOD (EPA 405.1)	1000ml plastic/ 4°C	48 hrs.
Oil & Grease (EPA 1664)	1000ml plastic/HCL	28 days
TSS (EPA 160.2)	250ml plastic/ 4°C	7 days

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Table 1: Sample Table

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BC1	11-10-05 1105	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #1 7.75 21.3°C	INTAKE
W-2832ACE-date-BC2	11-10-05 1130	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #2 7.89 20.2°C	INTAKE
W-2832ACE-date-BW	11-10-05 1000	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Braithwaite 8.31 19.7°C	INTAKE
W-2832ACE-date-SC	11-10-05 0925	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Scarsdale 6.45 18.4°C	INTAKE
W-2832ACE-date-PH1	11-10-05 0820	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Point a la Hache 7.79 20.1°C	MS/MSD* INTAKE

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BV	11-10-05 0845	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Bellevue 7.83 18.4°C	INTAKE
W-2832ACE-date-OL1	11-10-05 1205	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #1 8.34 19.8°C	INTAKE
W-2832ACE-date-OL2	11-10-05 1220	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #2 8.73 19.1°C	INTAKE
W-2832ACE-date-OL3	11-10-05 1235	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #3 8.79 20.9°C	INTAKE
W-2832ACE-date-WPH	11-10-05 12:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	West Point a la Hache 8.32 25.6°C	INTAKE

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-DI	11-10-05 11:40	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.41 25.0°C	Intake
W-2832ACE-date-DIa	11-10-05 11:55	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.35 24.8°C	Duplicate* Intake
W-2832ACE-date-HY	11-10-05 11:20	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Hayes 7.96 25.1°C	Intake
W-2832ACE-date-GW	11-10-05 10:55	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A 7.74 INT. 24.9°C	Gainard Woods 7.74 24.9°C	Intake
W-2832ACE-date-SR1	11-10-05 10:00	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A 7.47 INT. 23.9°C	Sunrise #1 7.47 23.9°C	Intake

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-SR2	11-10-05 10:10	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #2 7.48 23.4	Intake
W-2832ACE-date-TR	11-10-05 09:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Triumph 7.40 24.0°C	Intake
W-2832ACE-date-DV	11-10-05 09:50	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Duvic 7.64 24.8°C	Intake
W-2832ACE-date-GL	11-10-05 09:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Grand Liard 7.56 23.9°C	Intake
W-2832ACE-date-TBEB	11-10-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBEB	11-10-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-TBWB	11-10-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBWB	11-10-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—

*Actual sample will be determined in the field.

Materials Management Group, Inc.
 (504) 368-0568

Appendix A: Sample Containers, Preservation, and Holding Time

<u>Parameter/Method</u>	<u>Container/Preservation</u>	<u>Holding Time</u>
Volatiles(SW 8260)	3-40ml Vials/HCL	14 days
Semivolatiles(SW 8270)	2-1L Amber/ 4°C	7 days extraction/ 40 days
Pesticides (SW 8081)	2-1L Amber/4°C	7 days extraction/ 40 days
PCBs(SW 8082)	2-1L Amber/4°C	7 days extraction/ 40 days
Herbicides (SW 8151)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-D&O (SW 8015)	2-1L Amber/4°C	7 days extraction/ 40 days
TPH-Gasoline(SW 8015)	2-40ml Vials/HCL	7 days extraction/ 40 days
TAL Metals(SW 6010/7470)	500ml plastic/HNO ₃	180 days
Cyanide (EPA 335.2)	500ml plastic/NaOH	14 days
Ammonia (EPA 350.2)	250ml plastic/H ₂ SO ₄	28 days
TOC (EPA 415.1)	40ml amber vial/ H ₂ SO ₄	28 days
COD (EPA 410.1)	125ml plastic/ H ₂ SO ₄	28 days
BOD (EPA 405.1)	1000ml plastic/ 4°C	48 hrs.
Oil & Grease (EPA 1664)	1000ml plastic/HCL	28 days
TSS (EPA 160.2)	250ml plastic/ 4°C	7 days

Re Sampling and Analysis Plan - Task 2 Water Sampling, October 24, 2005
 Plaquemines Parish, Louisiana
 2832-ACE

Table 1: Sample Table

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BC1	11-15-05 1125	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #1 8.36 19.5°C	INTAKE
W-2832ACE-date-BC2	11-15-05 1150	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #2 8.77 21.2°C	INTAKE
W-2832ACE-date-BW	11-15-05 1025	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Braithwaite 8.56 17.7°C	INTAKE
W-2832ACE-date-SC	11-15-05 0950	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Scarsdale 6.94 18.4°C	INTAKE
W-2832ACE-date-PH	11-15-05 0850	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Point a la Hache 7.94 19.2°C	MS/MSD* INTAKE

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 Plaquemines Parish, Louisiana
 2832-ACE

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BV	11-15-05 09:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Bellevue 7.83 20.8°C	INTAKE
W-2832ACE-date-OL1	11-15-05 12:20	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #1 7.44 19.9°C	INTAKE
W-2832ACE-date-OL2	11-15-05 12:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #2 7.52 20.8°C	INTAKE
W-2832ACE-date-OL3	11-15-05 12:45	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #3 7.77 20.4°C	INTAKE
W-2832ACE-date-WPH	11-15-05 13:45	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	West Point a la Hache 9.25 27.9°C	INTAKE

Re. Sampling and Analysis Plan - Task 2 Water Sampling October 24, 2005
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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-DI	11-15-05 13:10	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.92 26.7°C	Intake
W-2832ACE-date-DIa	11-15-05 13:25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.84 25.6°C	Duplicate* Intake
W-2832ACE-date-HY	11-15-05 12:40	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Hayes 8.47 25.5°C	Intake
W-2832ACE-date-GW	11-15-05 12:00	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Gainard Woods 8.46 24.2°C	Intake
W-2832ACE-date-SR1	11-15-05 11:05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #1 7.64 25.0°C	Intake

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-SR2	11-15-05 11:25	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #2 7.65 25.0°C	Intake
W-2832ACE-date-TR	11-15-05 10:00	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Triumph 7.94 25.0°C	Intake
W-2832ACE-date-DV	11-15-05 09:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Duvic 8.05 24.9°C	Intake
W-2832ACE-date-GL	11-15-05 10:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Grand Liard 8.14 25.1°C	Outlet
W-2832ACE-date-TBEB	11-15-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBEB	11-15-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-TBWB	11-15-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—
W-2832ACE-date-FBWB	11-15-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	—

*Actual sample will be determined in the field.

Table 1: Sample Table

Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BC1	11-22-05 1130	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #1 7.77 16.1°C	INTAKE
W-2832ACE-date-BC2	11-22-05 1155	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Belle Chasse #2 7.42 16.2°C	INTAKE
W-2832ACE-date-BW	11-22-05 1020	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Braithwaite 8.47 13.9°C	OUTLET
W-2832ACE-date-SC	11-22-05 0945	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Scarsdale 7.73 14.3°C	INTAKE
W-2832ACE-date-PH	11-22-05 0840	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Point a la Hache 8.14 14.3°C	MS/MSD* INTAKE

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 Plaquemines Parish, Louisiana
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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-BV	11-22-05 0905	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Bellevue 8.05 13.9°C	INTAKE
W-2832ACE-date-OL1	11-22-05 1250	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #1 7.52 15.8°C	INTAKE
W-2832ACE-date-OL2	11-22-05 1310	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #2 7.85 16.2°C	INTAKE
W-2832ACE-date-OL3	11-22-05 1350	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Ollie #3 7.97 17.2°C	INTAKE
W-2832ACE-date-WPH	11-22-05 12:20	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	West Point a la Hache 8.81 15.7°C	Intake

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-D1	11-22-05 11:50	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 18.44 7.60 15.60°C	Intake
W-2832ACE-date-D1a	11-22-05 12:00	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Diamond 7.59 15.4°C	Duplicate* Intake
W-2832ACE-date-HY	11-22-05 11:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Hayes 8.05 15.2°C	Intake
W-2832ACE-date-GW	11-22-05 11:00	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Gainard Woods 8.18 15.0°C	Intake
W-2832ACE-date-SR1	11-22-05 10:15	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #1 7.71 17.5°C	Intake

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Sample Name	Date/ Time	Analysis	Containers	Preservation/ Holding Time	Location	Comments Intake/Outlet
W-2832ACE-date-SR2	11-22-05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Sunrise #2 7.92	Outlet
W-2832ACE-date-TR	10:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	17.9°C	
W-2832ACE-date-DV	11-22-05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Triumph 7.94	Intake
W-2832ACE-date-DV	09:20	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	14.6°C	
W-2832ACE-date-DV	11-22-05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Duvic	Intake
W-2832ACE-date-DV	08:50	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	7.96 14.6°C	
W-2832ACE-date-GL	11-22-05	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	Grand Liard	Intake
W-2832ACE-date-GL	09:30	VOCs (8260), SVOCs (8270), pesticides (8081), herbicides (8151), PCBs (8082), TAL metals (6010, 7400), TPH-G, D, O (8015B), TOC, TSS, COD, BOD, oil & grease, ammonia	See Appendix A	See Appendix A	7.96 15.1°C	
W-2832ACE-date-TBEB	11-22-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	
W-2832ACE-date-FBEB	11-22-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	
W-2832ACE-date-TBWB	11-22-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	
W-2832ACE-date-FBWB	11-22-05	VOCs (8260), TPH-G (8015B)	See Appendix A	See Appendix A	N/A	

*Actual sample will be determined in the field.

Materials Management Group, Inc.
 (504) 368-0568



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:

Company: Materials Management Group, Inc.
Address: 3520 General DeGaulle Suite 3010
New Orleans, LA 70114
Email To: Karlygibbs@mmg.com
Phone: 504-368-0508 Fax: 504-368-8403

Section B
Required Project Information:

Report To: Karly Gibbs
Copy To: Paul Lo
Purchase Order No. 2832ACE
Project Name:
Project Number:

Section C
Invoice Information:

Attention: Accounts Payable
Company Name: MMG
Address: 3520 General DeGaulle Suite 3010
Pace Quote Reference: MMG10110
Pace Project Manager: Craig McCollum
Pace Profile #: 2943

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

SITE GA IL IN MI MO

LOCATION OH SC WI OTHER

ITEM #	Section D Required Client Information		Section E Collected		# OF CONTAINERS	Section F Relinquished		Section G Sample Conditions	
	SAMPLE ID (A-Z, 0-9 / .)	Matrix Code	DATE	TIME		DATE	TIME	DATE	TIME
1	W2832ACFE-1025-PH	PH	10/25	0830	21	10/25	1627	10/25	1627
2	W2832ACFE-1025-8V	8V	10/25	09:40	21	10/25	1627	10/25	1627
3	W2832ACFE-1025-5C	5C	10/25	10:30	21	10/25	1627	10/25	1627
4	W2832ACFE-1025-BW	BW	10/25	11:10	21	10/25	1627	10/25	1627
5	W2832ACFE-1025-BCL1	BCL1	10/25	12:50	21	10/25	1627	10/25	1627
6	W2832ACFE-1025-BCL2	BCL2	10/25	13:30	21	10/25	1627	10/25	1627
7	W2832ACFE-1025-OL1	OL1	10/25	14:15	21	10/25	1627	10/25	1627
8	W2832ACFE-1025-OL2	OL2	10/25	14:40	21	10/25	1627	10/25	1627
9	W2832ACFE-1025-OL3	OL3	10/25	15:00	21	10/25	1627	10/25	1627
10	W2832ACFE-1025-FBE0	FBE0	10/25		3	10/25			
11	W2832ACFE-1025-TBWB	TBWB	10/25		3	10/25			
12									

Additional Comments:

Wendell Thompson 10/25/1627

SAMPLER NAME AND SIGNATURE

FRUIT: Name of SAMPLER: Wendell Thompson
SIGNATURE OF SAMPLER: *Wendell Thompson*



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:
Company: Materials Management Group, Inc.
Address: 3520 General DeGaulle Suite 3010
New Orleans, LA 70114
Email To: Karlygibbs@mmgola.com
Phone: 504-368-0568 Fax: 504-368-8403

Section B
Required Project Information:
Report To: Karly Gibbs
Copy To: Paul Lo
Purchase Order No. 2832ACE
Project Name:
Project Number:

Section C
Invoice Information:
Attention: Accounts Payable
Company Name: MMG
Address: 3520 General DeGaulle Suite 3010
Pace Order Reference: MMG10110
Pace Project Manager: Craig McCullum
Pace Profile #: 2843

Section D Required Client Information
SAMPLE ID
(A-Z, 0-9 / .)
Samples IDs MUST BE UNIQUE

Section E Required Information:
REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 SITE GA IL IN MI NC
 LOCATION OH SC VA OTHER

ITEM #	MATRIX CODE	SAMPLER TYPE	G-RAB C-COMP	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES						Requested Analyte	Filtered (Y/N)	Requested	Volatile/PH/Chlorides	TPH/Residual Oil	TAL Metals	Cyanide	ORGANIC/ODOR/CO2	BOPTSS	Passive Choice (Y/N)	Phase Project Number Lab ID		
				DATE	TIME			DATE	TIME	UNPRESERVED	H2SO4	HCl	NaOH												Na2S2O3	Methanol
1	W	2832ACE	-1025	-DV	10/25	0705	21																			
2	W	2832ACE	-1025	-GL	10/27	0911	21																			
3	W	2832ACE	-1025	-TR	10/25	1010	21																			
4	W	2832ACE	-1025	-SR1	10/25	1105	21																			
5	W	2832ACE	-1025	-SR2	10/25	1120	21																			
6	W	2832ACE	-1025	-GW	10/25	1205	21																			
7	W	2832ACE	-1025	-HY	10/25	1240	21																			
8	W	2832ACE	-1025	-D1	10/25	1310	21																			
9	W	2832ACE	-1025	-D1a	10/25	1320	21																			
10	W	2832ACE	-1025	-WPH	10/25	1355	21																			
11	W	2832ACE	-1025	-TBWB	10/25	1355	3																			
12	W	2832ACE	-1025	-FBWB	10/25	1415	3																			

Section F Relinquished By / Affiliation: Paul Lo
 Date: 10/25/05
 Time: 1627

Section G Accepted By / Affiliation: [Signature]
 Date: 10/25/05
 Time: 1627

Section H Sampler Name and Signature: [Signature]
 Date Ingested (MM/DD/YYYY):

Section I Temperature in °C: [Blank]
 Sealed Cooler: [Blank]
 Custody: [Blank]
 Samples Intact: [Blank]



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:
Company: Materials Management Group, Inc.
Address: 3520 General DeGaulle Suite 3010
New Orleans, LA 70114
Email To: kathygibbs@mmgreda.com
Phone: 504-368-0565 Fax: 504-368-8403

Section B
Required Project Information:
Report To: Kary Gibbs
Copy To: Paul Lo
Purchase Order No. 2832ACE:
Project Name:
Project Number:

Section C
Invoice Information:
Attention: Accounts Payable
Company Name: MMG
Address: 3520 General DeGaulle Suite 3010
Pace Quota Reference: MMG10110
Pace Project Manager: Craig McCollum
Pace Profile #: 2943

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / -)

Samples IDs MUST BE UNIQUE

ITEM #	1	2	3	4	5	6	7	8	9	10	11	12
W	A	C	E	1	0	8	0	5	D	I		
W	A	C	E	1	0	8	0	5	D	I	A	
W	A	C	E	1	0	8	0	5	R	L		
W	A	C	E	1	0	8	0	5	R	L		
W	A	C	E	1	0	8	0	5	T	R		
W	A	C	E	1	0	8	0	5	D	V		
W	A	C	E	1	0	8	0	5	G	L		
W	A	C	E	1	0	8	0	5	H	Y		
W	A	C	E	1	0	8	0	5	G	W		
W	A	C	E	1	0	8	0	5	P	H		
W	A	C	E	1	0	8	0	5	T	B	W	B
W	A	C	E	1	0	8	0	5	F	D	W	B

Section E Required Project Information

Report To: Kary Gibbs
Copy To: Paul Lo
Purchase Order No. 2832ACE:
Project Name:
Project Number:

Section F Analytical Request Information

Requested Due Date/TAT:

Section G Regulatory Agency

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

SITE GA IL IN MI NC
 OH SC WI OTHER

LOCATION
 Filtered (Y/N)
 Requested
 Anu

Section H Sample Collection

Requested: Radon Chlorine (TNT)
 BOD/SS
 OIL/WATER/COOLING
 Cyanide
 TOL Metals
 TPH-Diesel & Oil
 SVOC-Petroleum
 Volatiles/TPH-Gases

Section I Sample Analysis

Preservatives: H₂SO₄ HNO₃ H₂O₂ H₂CO₃ Methanol Other

OF CONTAINERS: 21

Section J Collection Details

DATE	TIME	COMPOSITE START		COMPOSITE END/GRAB	
		DATE	TIME	DATE	TIME
11/9	12:00			11/9	12:00
11/9	12:10			11/9	12:10
11/8	10:10			11/8	10:10
11/8	10:25			11/8	10:25
11/9	09:20			11/9	09:20
11/9	08:50			11/9	08:50
11/8	09:40			11/8	09:40
11/8	11:35			11/8	11:35
11/9	11:05			11/9	11:05
11/9	12:35			11/9	12:35
11/9	-			11/9	-
11/9	-			11/9	-

Section K Relinquished by / Affiliation

Relinquished by: *Kendall Thompson* Date: 11/9/05
 Accepted by: *John* Date: 11/8/05

Section L Sample Conditions

Received on: Y/N N/A Y/N Y/N Y/N
 Temp in °C: Y/N N/A Y/N Y/N Y/N
 Sealed Cooler: Y/N N/A Y/N Y/N Y/N
 Samples Intact: Y/N N/A Y/N Y/N Y/N

Section M Sampler Name and Signature

Sampler Name: *Kendall Thompson*
 Signature: *Wade Kempf* Date Signed: 11/08/05



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:
Company: Materials Management Group, Inc
Address: 3520 General DeGaulle Suite 3010
New Orleans, LA 70114
Email To: Karlygibbs@mmgola.com
Phone: 504-368-8568 Fax: 504-368-8403
Requested Due Date/TAT:

Section B
Required Project Information:
Report To: Karly Gibbs
Copy To: Paul Lo
Purchase Order No: 2832ACE
Project Name:
Project Number:

Section C
Invoice Information:
Attention: Accounts Payable
Company Name: MMG
Address: 3520 General DeGaulle Suite 3010
Pace Quota Reference: MMG10110
Pace Project Manager: Craig McCollum
Pace Profile #: 2043

Section D Required Client Information
SAMPLE ID
One Character per box (A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

1	W	2	8	3	2	A	0	E	1	1	0	5	0	1
2	W	2	8	3	2	A	0	E	1	1	0	5	0	1
3	W	2	8	3	2	A	0	E	1	1	0	5	0	1
4	W	2	8	3	2	A	0	E	1	1	0	5	0	1
5	W	2	8	3	2	A	0	E	1	1	0	5	0	1
6	W	2	8	3	2	A	0	E	1	1	0	5	0	1
7	W	2	8	3	2	A	0	E	1	1	0	5	0	1
8	W	2	8	3	2	A	0	E	1	1	0	5	0	1
9	W	2	8	3	2	A	0	E	1	1	0	5	0	1
10	W	2	8	3	2	A	0	E	1	1	0	5	0	1
11	W	2	8	3	2	A	0	E	1	1	0	5	0	1
12	W	2	8	3	2	A	0	E	1	1	0	5	0	1

Section E Required Analytical Information

ITEM #	MATRIX	G-GRAB C-COM#	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES						Requested Analyte	Pace Project Number Lab ID
			DATE	TIME			H ₂ O	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₅	Methanol		
1	WT					21	X	X	X	X	X	X		
2	WT	G	11/8	11:15		21	X	X	X	X	X	X		
3	WT	G	11/8	11:40		21	X	X	X	X	X	X		
4	WT	G	11/8	10:20		21	X	X	X	X	X	X		
5	WT	G	11/8	09:45		21	X	X	X	X	X	X		
6	WT	G	11/8	08:40		21	X	X	X	X	X	X		
7	WT	G	11/8	07:00		21	X	X	X	X	X	X		
8	WT	G	11/8	12:15		21	X	X	X	X	X	X		
9	WT	G	11/8	12:53		21	X	X	X	X	X	X		
10	WT	G	11/8	12:45		21	X	X	X	X	X	X		
11	WT	-	11/8	-		2	X	X	X	X	X	X		
12	WT	-	11/8	-		2	X	X	X	X	X	X		

Section F Regulatory Agency

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 SITE: GA IL IN MI NC
 LOCATION: OH SC WI OTHER

Section G Relinquished by / Affiliation

RELINQUISHED BY / AFFILIATION: *Wendell Thompson* DATE: 11/8 TIME: 11:18

ACCEPTED BY / AFFILIATION: *[Signature]* DATE: 11/8 TIME: 15:23

Section H Sampler Name and Signature

PRINT NAME OF SAMPLER: *Paul Lopez*
 SIGNATURE OF SAMPLER: *[Signature]* DATE: 11/08/10

Section I Additional Comments:

Temp in °C: _____
 Received on: _____
 Sealed Cooler: _____
 Samples Intact: _____

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

Section A
Required Client Information:
Company: Materials Management Group, Inc.
Address: 3520 General DeGaulle Suite 3010
New Orleans, LA 70114
Email To: Karlyjgibbs@mmgola.com
Phone: 504-368-9559 Fax: 504-368-8403
Requested Due Date/TAT:

Section B
Required Project Information:
Report To: Karly Gibbs
Copy To: Paul Lo
Purchase Order No. 2832ACE:
Project Name:
Project Number:

Section C
Invoice Information:
Attention: Accounts Payable
Company Name: MMG
Address: 3520 General DeGaulle Suite 3010
Pace Quote Reference: MMG10110
Pace Project Manager: Craig McCollum
Pace Profile #: 2943

Section D Required Client Information
SAMPLE ID
One Character per box.
(A-Z, 0-9, -)
Samples ID's MUST BE UNIQUE

1	W	2	8	3	2	A	C	E	1	2	2	0	5	B	C	1	
2	W	2	8	3	2	A	C	E	1	2	2	0	5	B	C	2	
3	W	2	8	3	2	A	C	E	1	2	2	0	5	B	W		
4	W	2	8	3	2	A	C	E	1	2	2	0	5	S	C		
5	W	2	8	3	2	A	C	E	1	2	2	0	5	P	H		
6	W	2	8	3	2	A	C	E	1	2	2	0	5	B	V		
7	W	2	8	3	2	A	C	E	1	2	2	0	5	O	L	1	
8	W	2	8	3	2	A	C	E	1	2	2	0	5	O	L	2	
9	W	2	8	3	2	A	C	E	1	2	2	0	5	O	L	3	
10	W	2	8	3	2	A	C	E	1	2	2	0	5	S	R	1	
11	W	2	8	3	2	A	C	E	1	2	2	0	5	T	B	E	D
12	W	2	8	3	2	A	C	E	1	2	2	0	5	F	D	E	D

Section E Regulatory Agency
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
SITE GA IL IN MI NC
 OH SC WI OTHER
LOCATION
 Filtered (Y/N) _____
 Requested _____
 Analyte _____
 Preservatives: H₂SO₄, HNO₃, HCl, NaOH, Na₂SO₄, Methanol, Other _____
 # OF CONTAINERS: 21
 SAMPLE TEMP AT COLLECTION: _____
COLLECTED
 COMPOSITE START DATE TIME COMPOSITE END DATE TIME
 11/22 11:30
 11/22 11:55
 11/22 10:20
 11/22 09:45
 11/22 09:40
 11/22 09:05
 11/22 12:50
 11/22 13:10
 11/22 13:30
 11/22 10:15

RELINQUISHED BY / AFFILIATION *Wendell J. Thompson Jr.* **DATE** 11/22 **TIME** 14:27
ACCEPTED BY / AFFILIATION *[Signature]* **DATE** 11/22 **TIME** 14:27
SAMPLER NAME AND SIGNATURE *Wendell J. Thompson Jr.* **DATE** 11/22/10
SIGNATURE of SAMPLER *[Signature]* **DATE** 11/22/10
Temp in °C _____
Received on _____
Ice _____
Custody Sealed Cooler _____
Samples Intact _____



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1025-PH</u>	
Sample Location: <u>Ponte A-La Hache</u>	
Date (YYMMDD): <u>05-10-25</u>	
Time (HHMMSS): <u>08:50:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>W. Thompson</u>
Witness:	<u>G. Brooks</u>
Contractor:	<u>MMG</u>
Remarks: <u>Intake</u>	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: _____	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>6.37</u>	
Temp	<u>16.8 °C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1025 B2</u>	
Sample Location: <u>Belleve</u>	
Date (YYMMDD): <u>05-10-25</u>	
Time (HHMMSS): <u>09:40:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>W. Thompson</u>
Witness:	<u>G. Brooks</u>
Contractor:	<u>MMG</u>
Remarks: <u>Intake</u>	
Weather: Rain Event <input checked="" type="radio"/> YES <input type="radio"/> NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.43	
Temp	17.4 °C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>N-2832ACE-1025 SL</u>	
Sample Location: <u>Scarsdale</u>	
Date (YYMMDD): <u>05-10-25</u>	
Time (HHMMSS): <u>10:30:00</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>G. Brooks</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.28</u>	
Temp	<u>18.7°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1025-BW</u>	
Sample Location: <u>Braithwaite</u>	
Date (YYMMDD): <u>05-10-25</u>	
Time (HHMMSS): <u>11:10:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Gary Brooks</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.33	
Temp	16.3 °C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1025-BC1</u>	
Sample Location: <u>Belle Chasse 1</u>	
Date (YYMMDD): <u>05-10-25</u>	
Time (HHMMSS): <u>12:50:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Gary Brooks</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES</u> NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.24	
Temp	16.5°c	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832 ACE 1025-BL2</u>	
Sample Location: <u>Belle Chase 2</u>	
Date (YYMMDD): <u>05-10-25</u>	
Time (HHMMSS): <u>13:30:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Gary Brooks</u>
Contractor:	<u>MMG</u>
Remarks: <u>E.G. Antoine from Jett. parish Public Works BL2. let us into gate</u>	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.64	
Temp	21.0°c	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1025-011</u>	
Sample Location: <u>Well #1 Upper Well</u> W-2832ACE-1025-011	
Date (YYMMDD): <u>05-10-25</u>	
Time (HHMMSS): <u>14:15:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Gary Brooks</u>
Contractor:	<u>MMG</u>
Remarks: <u>Well 1, 2, & 3 all intake from the same canal and output to the same bayou.</u>	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: _____	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.55</u>	
Temp	<u>18.8°c</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1025-0L2</u>	
Sample Location: <u>OLLIE 2 (M.d. Ollie)</u>	
Date (YYMMDD): <u>05-10-25</u>	
Time (HHMMSS): <u>14:40:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Gary Brooks</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.96	
Temp	19.6 °c	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1025-DL3</u>	
Sample Location: <u>OLLIE 3 (Lower OLLie)</u>	
Date (YYMMDD): <u>05-10-25</u>	
Time (HHMMSS): <u>15:00:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Gary Brooks</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.90</u>	
Temp	<u>20.6°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>10-2832 ACE - 1025 - DV</u>	
Sample Location: <u>Duric Pumping Sta</u>	
Date (YYMMDD): <u>10/25/05</u>	
Time (HHMMSS): <u>0906</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>Paul Lo</u>	
Witness: <u>Richard Escalante</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event <u>YES</u> <u>NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.71</u>	
Temp	<u>17.2°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832/ACE-1025-G/L</u>	
Sample Location:	<u>Grand Lian d</u>
Date (YYMMDD):	<u>10/25/05</u>
Time (HHMMSS):	<u>0955</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP./NA</u>
Sampler:	<u>PLO</u>
Witness:	<u>R. Encala</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES</u> <u>NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.70</u>	
Temp	<u>18.0</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1025-TR</u>	
Sample Location:	<u>Triumph</u>
Date (YYMMDD):	<u>10/25/05</u>
Time (HHMMSS):	<u>1010</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>P & D</u>
Witness:	<u>R. Escalante</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <u>NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.75</u>	
Temp	<u>17.5</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W2832ACE-1025-SR1</u>	
Sample Location: <u>Sun Rise PS # 1</u>	
Date (YYMMDD): <u>10/25/05</u>	
Time (HHMMSS): <u>11:05</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>P. do</u>
Witness:	<u>R. Encalbe</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES</u> <input checked="" type="radio"/> <input type="radio"/> NO	
Prepared by: <u>[Signature]</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.68</u>	
Temp	<u>16.5</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W2832ACE-1025-SR2</u>	
Sample Location: <u>Sunrise #2</u>	
Date (YYMMDD): <u>10/25/05</u>	
Time (HHMMSS): <u>1120</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>P 60</u>
Witness:	<u>R. Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.92</u>	
Temp	<u>16.5</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W2832 ACE-1025-GW</u>	
Sample Location: <u>Pinard Wood P.S</u>	
Date (YYMMDD): <u>10/25/05</u>	
Time (HHMMSS): <u>1205</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>pkd</u>
Witness:	<u>P. Gucalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.12</u>	
Temp	<u>17.0</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W2832ACE-1025-HY</u>	
Sample Location: <u>Hayes P.S.</u>	
Date (YYMMDD): <u>10/25/05</u>	
Time (HHMMSS): <u>12:40</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>P.L.S.</u>
Witness:	<u>R. Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.70</u>	
Temp	<u>19.0</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W 2832-ACE-1025-D1</u>	
Sample Location: <u>Diamond P.S</u>	
Date (YYMMDD): <u>10/25/07</u>	
Time (HHMMSS): <u>1310</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>P. Lo</u>
Witness:	<u>R. Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.48</u>	
Temp	<u>17.5</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W2832/ACE-1025-D1a</u>	
Sample Location: <u>Diamond Duplicate</u>	
Date (YYMMDD): <u>10/25/05</u>	
Time (HHMMSS): <u>1320</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>P. Lo</u>
Witness:	<u>R. Escalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.77</u>	
Temp	<u>17.5</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W2832ACE-1025-APH</u>	
Sample Location: <u>West Point-a-La-Hache</u>	
Date (YYMMDD): <u>10/28/05</u>	
Time (HHMMSS): <u>1355</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>P&O</u>
Witness:	<u>R. EnCalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES</u> <u>(NO)</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.81</u>	
Temp	<u>17°</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1037-DV</u>	
Sample Location: <u>Duval</u>	
Date (YYMMDD): <u>05-10-27</u>	
Time (HHMMSS): <u>09:00:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/INA</u>
Sampler:	<u>Wardell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.92</u>	
Temp	<u>17.0° C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1027-6L</u>	
Sample Location: <u>Grand Canal</u>	
Date (YYMMDD): <u>05-10-27</u>	
Time (HHMMSS): <u>09:45:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Ercalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.72</u>	
Temp	<u>16°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1031-SR1</u>	
Sample Location: <u>Sunrise 1</u>	
Date (YYMMDD): <u>05-10-27</u>	
Time (HHMMSS): <u>10:20</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Euclide</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.86</u>	
Temp	<u>18.0 °C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: Plaquemines Parish Pump Station Water Sampling - Task 2s
Sample I.D.: <i>W-2832ACE-1027-SR2</i>	
Sample Location: <i>Sunrise 2</i>	
Date (YYMMDD): <i>05-10-27</i>	
Time (HHMMSS): <i>10:35:00</i>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<i>Wendell Thompson</i>
Witness:	<i>Richard Encalade</i>
Contractor:	MMG
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<i>7.70</i>	
Temp	<i>18.8°</i>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1027-GW</u>	
Sample Location: <u>Gainard Woods</u>	
Date (YYMMDD): <u>05-10-27</u>	
Time (HHMMSS): <u>11:40:00</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <u>(NO)</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.51	
Temp	18.0°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832 ACE-1027-HY</u>	
Sample Location: <u>Hayes</u>	
Date (YYMMDD): <u>05-10-27</u>	
Time (HHMMSS): <u>12:10:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>Wendell Thompson</u>	
Witness: <u>Richard Eucalade</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event YES/ <input checked="" type="radio"/> NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.38	
Temp	19.0 °C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: Plaquemines Parish Pump Station Water Sampling - Task 2s
Sample I.D.: W-2832ACE-1027-TR	
Sample Location: Triumph	
Date (YYMMDD): 05-10-27	
Time (HHMMSS): 13:40:00	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	Sed/Soil/Water
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	GRAB/COMP/NA
Sampler:	Wardell Thompson
Witness:	Richard Encalade
Contractor:	MMG
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.61	
Temp	19.0°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1021-DIa</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>WT Diamond 05-10-27</u>	
Time (HHMMSS): <u>14:30:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Englede</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOA	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.48	
Temp	18.0°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: Plaquemines Parish Pump Station Water Sampling - Task 2s
Sample I.D.: W-2832ACE-1027-DI	
Sample Location: Diamond	
Date (YYMMDD): 05-10-27	
Time (HHMMSS): 14:45:00	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	Sed/Soil/Water
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	GRAB/COMP/NA
Sampler:	Wendell Thompson
Witness:	Richard Escalada
Contractor:	MMG
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOA's	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.72	
Temp	19.0°c	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1027-WPH</u>	
Sample Location: <u>West Point La Hache</u>	
Date (YYMMDD): <u>05-10-21</u>	
Time (HHMMSS): <u>15:10:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Eucalade</u>
Contractor:	<u>MMG</u>
Remarks: <u>Only 20 samples in cooler. NH₃ 250ml plastic bottle was not in cooler.</u>	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO ₃	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H ₂ SO ₄	Ammonia	<u>0</u>
40mL Amber VOA	40mL/H ₂ SO ₄	TOC	
125mL Plastic	125mL/H ₂ SO ₄	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.47</u>	
Temp	<u>18.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: W-2832-ACE-PH	
Sample Location: POINTE A LA HACHE	
Date (YYMMDD): 10-27-05	
Time (HHMMSS): 0840	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	GARY BROOKS
Witness:	RENE SILVA
Contractor:	MMG
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.32	
Temp	17.9°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-SC</u>	
Sample Location: <u>SCARSDALE</u>	
Date (YYMMDD): <u>10-27-05</u>	
Time (HHMMSS): <u>1000</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/INA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.97</u>	
Temp	<u>17</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-BV</u>	
Sample Location: <u>BELL VUE</u>	
Date (YYMMDD): <u>10-27-05</u>	
Time (HHMMSS): <u>0910</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP./NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.78</u>	
Temp	<u>17</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-BW</u>	
Sample Location: <u>BRAITWAITE</u>	
Date (YYMMDD):	<u>10-27-05</u>
Time (HHMMSS):	<u>1030</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>9.03</u>	
Temp	<u>17</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-BC1</u>	
Sample Location: <u>BELLE CHASSE 1</u>	
Date (YYMMDD): <u>10-27-05</u>	
Time (HHMMSS): <u>1140</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.51</u>	
Temp	<u>17</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-BC2</u>	
Sample Location: <u>BELLE CHASSE 2</u>	
Date (YYMMDD): <u>10-27-05</u>	
Time (HHMMSS): <u>1215</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.19</u>	
Temp	<u>17</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.:	<u>W-2832-ACE-011</u>
Sample Location:	<u>OLLIE 1</u>
Date (YYMMDD):	<u>10-27-05</u>
Time (HHMMSS):	<u>1240</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP./NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>6.69</u>	
Temp	<u>17</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.:	<u>W-2832-ACE-013</u>
Sample Location:	<u>OLLIE 3</u>
Date (YYMMDD):	<u>10-27-05</u>
Time (HHMMSS):	<u>1315</u>
Top Depth:	<u>NA</u>
Bottom Depth:	<u>NA</u>
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP./NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.77</u>	
Temp	<u>17</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-01-05-PH</u>	
Sample Location: <u>POINTE A LA HACHE</u>	
Date (YYMMDD): <u>11-01-05</u>	
Time (HHMMSS): <u>0825</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOA	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.03</u>	
Temp	<u>18.6</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-01-05-BV</u>	
Sample Location: <u>BELLEVEUE</u>	
Date (YYMMDD): <u>11-01-05</u>	
Time (HHMMSS): <u>0850</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.75</u>	
Temp	<u>17.1</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-01-05-5C</u>	
Sample Location: <u>SCARSDALE</u>	
Date (YYMMDD): <u>11-01-05</u>	
Time (HHMMSS): <u>0940</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.08</u>	
Temp	<u>18.3</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-01-05-</u>	
Sample Location: <u>BRAITHWAITE</u>	
Date (YYMMDD): <u>11-01-05</u>	
Time (HHMMSS): <u>1025</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.21</u>	
Temp	<u>18.4</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-01-05-BC1</u>	
Sample Location: <u>BELLE CHASSE 1</u>	
Date (YYMMDD): <u>11-01-05</u>	
Time (HHMMSS): <u>1125</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP./NA</u>	
Sampler: <u>GARY BROOKS</u>	
Witness: <u>RENE SILVA</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.90</u>	
Temp	<u>18.2</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-01-05-R2</u>	
Sample Location: <u>BELLE CHASSE 2</u>	
Date (YYMMDD): <u>11-01-05</u>	
Time (HHMMSS): <u>1200</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.44</u>	
Temp	<u>18.5</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-01-05-01</u>	
Sample Location: <u>OLLIE 1</u>	
Date (YYMMDD): <u>11-01-05</u>	
Time (HHMMSS): <u>1235</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.51</u>	
Temp	<u>17.2</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u> Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-01-05-0L3</u>	
Sample Location: <u>OLLIE 3</u>	
Date (YYMMDD): <u>11-01-05</u>	
Time (HHMMSS): <u>1315</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>GARY BROOKS</u>	
Witness: <u>RENE SILVA</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.41</u>	
Temp	<u>17.2</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u> Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1101-DV</u>	
Sample Location: <u>Duvic</u>	
Date (YYMMDD): <u>05-11-01</u>	
Time (HHMMSS): <u>08:50:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	<u>Station not running</u>
Weather: Rain Event <input checked="" type="checkbox"/> YES/NO	
Prepared by: <u>W. Thompson</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.76</u>	
Temp	<u>16°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1101-TR</u>	
Sample Location: <u>Triumph</u>	
Date (YYMMDD): <u>05-11-01</u>	
Time (HHMMSS): <u>09:30:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encolade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES</u>	
Prepared by: <u>W. Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.17	
Temp	17.0°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1101-GL</u>	
Sample Location: <u>Grand Liard</u>	
Date (YYMMDD): <u>05-11-01</u>	
Time (HHMMSS): <u>09:45:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Enentade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>W. Thompson</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.46	
Temp	17.5°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1101-SR1</u>	
Sample Location: <u>Sunrise 1</u>	
Date (YYMMDD): <u>05-11-01</u>	
Time (HHMMSS): <u>10:15:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <input checked="" type="checkbox"/> YES/NO	
Prepared by: <u>W. Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOA	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.54</u>	
Temp	<u>18.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1101-SR2</u>	
Sample Location: <u>Sunrise 2</u>	
Date (YYMMDD): <u>05-11-01</u>	
Time (HHMMSS): <u>10:45:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <input checked="" type="checkbox"/> YES/NO	
Prepared by: <u>W. Thompson</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.25</u>	
Temp	<u>18°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1101-GW</u>	
Sample Location: <u>Gainard Woods</u>	
Date (YYMMDD): <u>05-11-01</u>	
Time (HHMMSS): <u>11:15:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <input checked="" type="checkbox"/> YES/NO	
Prepared by: <u>WMMZ</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.66	
Temp	18.0°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1101-HY</u>	
Sample Location: <u>Hayes</u>	
Date (YYMMDD): <u>05:11:01</u>	
Time (HHMMSS): <u>11:45:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.44	
Temp	18.0°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u> Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1101-DF</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-01</u>	
Time (HHMMSS): <u>12:10:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>Wendell Thompson</u>	
Witness: <u>Richard Encalsade</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event <input checked="" type="checkbox"/> YES/NO	
Prepared by: <u>Will [Signature]</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.44</u>	
Temp	<u>17.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832 ACE - 1101 - DIa</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-01</u>	
Time (HHMMSS): <u>12:20:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOA	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.44	
Temp	17.0 °C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832 ACE-1101-WPH</u>	
Sample Location: <u>West Pontchartrache</u>	
Date (YYMMDD): <u>05-11-01</u>	
Time (HHMMSS): <u>12:50:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <input checked="" type="checkbox"/> YES/NO	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.53	
Temp	16.8°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u> Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-03-05-PA</u>	
Sample Location: <u>POINTE A LA HACHE</u>	
Date (YYMMDD):	<u>11-03-05</u>
Time (HHMMSS):	<u>0830</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>CARY BROOKS</u>
Witness:	<u>PAUL LO</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.89</u>	
Temp	<u>17.0</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: Plaquemines Parish Pump Station Water Sampling - Task 2s
Sample I.D.: ²⁸ W-9232 ACE-11-0205-BV	
Sample Location: BELLEVUE	
Date (YYMMDD): 11-03-05	
Time (HHMMSS): 0910	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	Sed/Soil/Water
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	GRAB/COMP/NA
Sampler:	GARY BROOKS
Witness:	PAUL LO
Contractor:	MMG
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	8.35	
Temp	16.4	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u> Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-03-05-SC</u>	
Sample Location:	<u>SCARSDALE</u>
Date (YYMMDD):	<u>11-03-05</u>
Time (HHMMSS):	<u>1015</u>
Top Depth:	NA
Bottom Depth:	NA
Matrix:	Sed/Soil/Water
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	GRAB/COMP/NA
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>PAUL LO</u>
Contractor:	MMG
Remarks:	
Weather: Rain Event	YES/NO
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.54</u>	
Temp	<u>18.3</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: Plaquemines Parish Pump Station Water Sampling - Task 2s
Sample I.D.: W-2832-ACE-11-03-05-BW	
Sample Location: BRAITHWAITE	
Date (YYMMDD): 11-03-05	
Time (HHMMSS): 1105	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	Sed/Soil/Water
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	GRAB/COMP/NA
Sampler:	GARY BROOKS
Witness:	PAUL LO
Contractor:	MMG
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	8.72	
Temp	18.4	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-03-05-BC1</u>	
Sample Location: <u>BELLE CHASSE 1</u>	
Date (YYMMDD): <u>11-03-05</u>	
Time (HHMMSS): <u>1240</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>PAUL LO</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.48</u>	
Temp	<u>19.9</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-03-05-BC2</u>	
Sample Location: <u>BEZLE CHASSE 2</u>	
Date (YYMMDD): <u>11-03-05</u>	
Time (HHMMSS): <u>1300</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>PAUL LO</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.85</u>	
Temp	<u>20.2</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-03-05-011</u>	
Sample Location: <u>OLLIE 1</u>	
Date (YYMMDD): <u>11-03-05</u>	
Time (HHMMSS): <u>1340</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>LEARY BROOKS</u>
Witness:	<u>PAUL LO</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.91</u>	
Temp	<u>17.2</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-03-05-0L2</u>	
Sample Location:	<u>OLLIE 2</u>
Date (YYMMDD):	<u>11-03-05</u>
Time (HHMMSS):	<u>1355</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>PAUL LO</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.06</u>	
Temp	<u>19.3</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-03-05-013</u>	
Sample Location:	<u>OLLIE 3</u>
Date (YYMMDD):	<u>11-03-05</u>
Time (HHMMSS):	<u>1410</u>
Top Depth:	NA
Bottom Depth:	NA
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>PAUL LO</u>
Contractor:	MMG
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.38</u>	
Temp	<u>21.9</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1103-DV</u>	
Sample Location: <u>D4V1C</u>	
Date (YYMMDD): <u>05-11-03</u>	
Time (HHMMSS): <u>08:50:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>Wendell Thompson</u>	
Witness: <u>Richard Encalade</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event <u>YES</u> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.38	
Temp	16.0°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1103-GL</u>	
Sample Location: <u>Grand Liard</u>	
Date (YYMMDD): <u>05-11-03</u>	
Time (HHMMSS): <u>09:25:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>Wendell Thompson</u>	
Witness: <u>Richard Encalade</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event YES/ <input checked="" type="radio"/> NO	
Prepared by: <u>Wendell J. Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	1.27	
Temp	18.0°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1103-TR</u>	
Sample Location: <u>Triumph</u>	
Date (YYMMDD): <u>05-11-03</u>	
Time (HHMMSS): <u>09:40:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.25</u>	
Temp	<u>18.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1109-SR1</u>	
Sample Location: <u>Sunrise #1</u>	
Date (YYMMDD): <u>05-11-03</u>	
Time (HHMMSS): <u>10:30:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>6.99</u>	
Temp	<u>18.5°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1103-SR2</u>	
Sample Location: <u>Sunrise #2</u>	
Date (YYMMDD): <u>05-11-03</u>	
Time (HHMMSS): <u>10:50:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOA's	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.02</u>	
Temp	<u>18.5°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1103-GW</u>	
Sample Location: <u>W-2832ACE-1103-GW</u>	
Date (YYMMDD): <u>Gainard Woods 05-11-03</u>	
Time (HHMMSS): <u>0830</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.26	
Temp	18.5°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1103-HY</u>	
Sample Location: <u>Hayes</u>	
Date (YYMMDD): <u>05-11-03</u>	
Time (HHMMSS): <u>11:55:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>Wendell Thompson</u>	
Witness: <u>Richard Encalade</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell J. Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.53	
Temp	19.0°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1103-DF</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-03</u>	
Time (HHMMSS): <u>12:15:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalsade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	1.36	
Temp	19.0°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1103-D1a</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-03</u>	
Time (HHMMSS): <u>12:30:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encolade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	<u>Wendell J. Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.38</u>	
Temp	<u>19°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1103-WPH</u>	
Sample Location: <u>West Pointe A La Hache</u>	
Date (YYMMDD): <u>05-11-03</u>	
Time (HHMMSS): <u>12:55:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encolade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <input checked="" type="checkbox"/>	
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.45</u>	
Temp	<u>21.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1108-0V</u>	
Sample Location: <u>Duvic</u>	
Date (YYMMDD): <u>05-11-08</u>	
Time (HHMMSS): <u>08:50:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <u>NO</u>	
Prepared by: <u>Wendell J. Thompson Jr.</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	8.22	
Temp	21.0°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1109-TR</u>	
Sample Location: <u>Triumph</u>	
Date (YYMMDD): <u>05-11-08</u>	
Time (HHMMSS): <u>09:20:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>Wendell Thompson</u>	
Witness: <u>Richard Encolade</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.80	7.80
Temp	20.0°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1108-GL</u>	
Sample Location: <u>Grand Liard</u>	
Date (YYMMDD): <u>05-11-08</u>	
Time (HHMMSS): <u>09:40:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by: <u>Willie J. [unclear]</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.85</u>	
Temp	<u>20.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1108-5R1</u>	
Sample Location: <u>Sunrise 1</u>	
Date (YYMMDD): <u>05-11-08</u>	
Time (HHMMSS): <u>10:10:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.15	
Temp	20.0°c	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1108-SR2</u>	
Sample Location: <u>Sunrise 2</u>	
Date (YYMMDD): <u>05-11-08</u>	
Time (HHMMSS): <u>10:25:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <input checked="" type="checkbox"/>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.12</u>	
Temp	<u>20.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1108-GW</u>	
Sample Location: <u>Bignard Woods</u>	
Date (YYMMDD): <u>05-11-08</u>	
Time (HHMMSS): <u>11:05:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.69</u>	
Temp	<u>21.0°c</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u> Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1109-HY</u>	
Sample Location:	<u>Hayes</u>
Date (YYMMDD):	<u>05-11-08</u>
Time (HHMMSS):	<u>11:35:00</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encolade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	YES/NO <input checked="" type="radio"/>
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.46</u>	
Temp	<u>22.0°c</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>N-2832 ACE-1108-DI</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-08</u>	
Time (HHMMSS): <u>12:00:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Will Gentry</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.40</u>	
Temp	<u>21.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832 ACE-1108-DIa</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-08</u>	
Time (HHMMSS): <u>12:10:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Nendell Thompson</u>
Witness:	<u>Richard Encolade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by: <u>William J. Turner Jr.</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOA	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.46	
Temp	21.0°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1108-WPH</u>	
Sample Location: <u>West Pointe a La Hache</u>	
Date (YYMMDD): <u>05-11-08</u>	
Time (HHMMSS): <u>12:25:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	9.43	
Temp	26.0°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-08-05-PH</u>	
Sample Location: <u>POINTE A LA HACHE</u>	
Date (YYMMDD):	<u>11-08-05</u>
Time (HHMMSS):	<u>0840</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.74</u>	
Temp	<u>20.8</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-08-05-BV</u>	
Sample Location: <u>BELLEVEUE</u>	
Date (YYMMDD): <u>11-08-05</u>	
Time (HHMMSS): <u>0900</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.51</u>	
Temp	<u>18.7</u>	



SAMPLE COLLECTION LOG

Delivery Order No. _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-08-05-5c</u>	
Sample Location: <u>SCARSDALE</u>	
Date (YYMMDD): <u>11-08-05</u>	
Time (HHMMSS): <u>0945</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.74</u>	
Temp	<u>19.4</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-0805-BW</u>	
Sample Location:	<u>BRAITHWAITE</u>
Date (YYMMDD):	<u>11-08-05</u>
Time (HHMMSS):	<u>1020</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.41</u>	
Temp	<u>20.2</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-08-05-TBC1</u>	
Sample Location: <u>BELLE CHASSE 1</u>	
Date (YYMMDD): <u>11-08-05</u>	
Time (HHMMSS): <u>1115</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>GARY BROOKS</u>	
Witness: <u>RENE SILVA</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.25</u>	
Temp	<u>19.6</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-08-05-BC2</u>	
Sample Location: <u>BELLE CHASSE 2</u>	
Date (YYMMDD): <u>11-08-05</u>	
Time (HHMMSS): <u>1140</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks: _____	
Weather: Rain Event YES/NO	
Prepared by: _____	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.77</u>	
Temp	<u>20.5</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-08-05-011</u>	
Sample Location:	<u>OLLIE 1</u>
Date (YYMMDD):	<u>11-08-05</u>
Time (HHMMSS):	<u>1215</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.76</u>	
Temp	<u>19.4</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-08-05-0L2</u>	
Sample Location:	<u>OLLIE 2</u>
Date (YYMMDD):	<u>11-08-05</u>
Time (HHMMSS):	<u>1233</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.91</u>	
Temp	<u>19.7</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-08-05-003</u>	
Sample Location:	<u>OLLIE 3</u>
Date (YYMMDD):	<u>11-08-05</u>
Time (HHMMSS):	<u>1245</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.84</u>	
Temp	<u>20.1</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-10-05-PH</u>	
Sample Location: <u>POINTE A LA HACHE</u>	
Date (YYMMDD): <u>11-10-05</u>	
Time (HHMMSS): <u>0820</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.79	
Temp	20.1	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-10-05-BV</u>	
Sample Location: <u>BELLEVUE</u>	
Date (YYMMDD): <u>11-10-05</u>	
Time (HHMMSS): <u>0845</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.83	
Temp	18.4	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-11-10-05-5c</u>	
Sample Location: <u>SCAPESDALLE</u>	
Date (YYMMDD): <u>11-10-05</u>	
Time (HHMMSS): <u>0925</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>6.45</u>	
Temp	<u>18.4</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-10-05-BW</u>	
Sample Location: <u>BRAITHWAITE</u>	
Date (YYMMDD): <u>11-10-05</u>	
Time (HHMMSS): <u>1000</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP./NA</u>	
Sampler: <u>GARY BROOKS</u>	
Witness: <u>RENE SILVA</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	8.31	
Temp	19.7	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-10-05-BC1</u>	
Sample Location: <u>BELLE CHASSE 1</u>	
Date (YYMMDD): <u>11-10-05</u>	
Time (HHMMSS): <u>1105</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.75</u>	
Temp	<u>21.3</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-10-05-BC2</u>	
Sample Location: <u>BELLE CHASSE 2</u>	
Date (YYMMDD): <u>11-10-05</u>	
Time (HHMMSS): <u>1130</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>LARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.89	
Temp	20.2	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-10-05-021</u>	
Sample Location: <u>OLLIE 1</u>	
Date (YYMMDD): <u>11-10-05</u>	
Time (HHMMSS): <u>1205</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.34</u>	
Temp	<u>19.8</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-10-05-DL2</u>	
Sample Location:	<u>OLLIE 2</u>
Date (YYMMDD):	<u>11-10-05</u>
Time (HHMMSS):	<u>1220</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.73</u>	
Temp	<u>19.1</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-10-05</u>	
Sample Location: <u>OLLIE 3</u>	
Date (YYMMDD): <u>11-10-05</u>	
Time (HHMMSS): <u>1235</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RENE SILVA</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.79</u>	
Temp	<u>20.9</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1110-DU</u>	
Sample Location: <u>Puvic</u>	
Date (YYMMDD): <u>05-11-10</u>	
Time (HHMMSS): <u>08:50:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.64</u>	
Temp	<u>24.8°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>N-2832 ACE-1110-SR1</u>	
Sample Location: <u>Sunrise #1</u>	
Date (YYMMDD): <u>05-11-10</u>	
Time (HHMMSS): <u>10:00:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.47</u>	
Temp	<u>23.9°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832 ACE-1110-SR2</u>	
Sample Location: <u>Sunrise #2</u>	
Date (YYMMDD): <u>05-11-10</u>	
Time (HHMMSS): <u>10:10:00</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encolade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	<u>Will D. ref.</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.48</u>	
Temp	<u>23.4</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1110-TR</u>	
Sample Location: <u>Triumph</u>	
Date (YYMMDD): <u>05-11-10</u>	
Time (HHMMSS): <u>09:15:00</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>Wendell Thompson</u>	
Witness: <u>Richard Encalade</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.40</u>	
Temp	<u>24.0 °C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832 ACE-1110-GL</u>	
Sample Location: <u>Grand Lizard</u>	
Date (YYMMDD): <u>05-11-10</u>	
Time (HHMMSS): <u>09:30:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.56</u>	
Temp	<u>23.9°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1110-Hy</u>	
Sample Location: <u>Hayes</u>	
Date (YYMMDD): <u>05-11-10</u>	
Time (HHMMSS): <u>11:20:00</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/ <input checked="" type="checkbox"/> NO	
Prepared by:	<u>[Signature]</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.96	
Temp	25.1°C	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1110-WPH</u>	
Sample Location: <u>West Pointe a La Hache</u>	
Date (YYMMDD): <u>05-11-10</u>	
Time (HHMMSS): <u>12:15:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.32</u>	
Temp	<u>25.6 °C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1110-DI</u>	
Sample Location: <u>Diamond #4 W.S.</u>	
Date (YYMMDD): <u>05-11-10</u>	
Time (HHMMSS): <u>11:40:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.41</u>	
Temp	<u>25.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1110-D1a</u>	
Sample Location: <u>Diamond #101 WA</u>	
Date (YYMMDD): <u>05-11-10</u>	
Time (HHMMSS): <u>11:55:00</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <u>NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.35</u>	
Temp	<u>24.8°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-15-05-BV</u>	
Sample Location: <u>BELLEVUE</u>	
Date (YYMMDD): <u>11-15-05</u>	
Time (HHMMSS): <u>0915</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RICHARD ENCALADE</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.83</u>	
Temp	<u>20.8</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832 ACE-1110-6W</u>	
Sample Location: <u>Gained Woods</u>	
Date (YYMMDD): <u>05-10-11</u>	
Time (HHMMSS): <u>10:55:00</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.74</u>	
Temp	<u>24.9°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-15-05-PH</u>	
Sample Location: <u>POINTE A LA HACHE</u>	
Date (YYMMDD): <u>11-15-05</u>	
Time (HHMMSS): <u>0850</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>GARY BROOKS</u>	
Witness: <u>RICHARD ENCALADE</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.94</u>	
Temp	<u>19.2</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-15-05-SC</u>	
Sample Location: <u>SCARSDALE</u>	
Date (YYMMDD): <u>11-15-05</u>	
Time (HHMMSS): <u>0950</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RICHARD ENCALADE</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>6.94</u>	
Temp	<u>18.4</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>(W)-2832-ACE-11-15-05-BW</u>	
Sample Location: <u>BRAITHWAITE</u>	
Date (YYMMDD): <u>11-15-05</u>	
Time (HHMMSS): <u>1025</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RICHARD ENCALADE</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.56</u>	
Temp	<u>17.7</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-15-05-BC1</u>	
Sample Location: <u>BELLE CHASSE 1</u>	
Date (YYMMDD): <u>11-15-05</u>	
Time (HHMMSS): <u>1125</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RICHARD ENCALADE</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.36</u>	
Temp	<u>19.5</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-15-05-BC2</u>	
Sample Location: <u>BELLE CHASSE Z</u>	
Date (YYMMDD): <u>11-15-05</u>	
Time (HHMMSS): <u>1150</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>GARY BROOKS</u>	
Witness: <u>RICHARD ENCALADE</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	8.77	
Temp	21.2	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-15-05-01</u>	
Sample Location: <u>OLLIE1</u>	
Date (YYMMDD): <u>11-15-05</u>	
Time (HHMMSS): <u>1220</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP./NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RICHARD ENCALADE</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.44</u>	
Temp	<u>19.9</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-15-05-0LZ</u>	
Sample Location: <u>OLLIE 2</u>	
Date (YYMMDD): <u>11-15-05</u>	
Time (HHMMSS): <u>1230</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RICHARD ENCLADE</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.52</u>	
Temp	<u>20.8</u>	



SAMPLE COLLECTION LOG

Delivery Order No. _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-11-15-05-0L3</u>	
Sample Location:	<u>OLLIE 3</u>
Date (YYMMDD):	<u>11-15-05</u>
Time (HHMMSS):	<u>1245</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>GARY BROOKS</u>
Witness:	<u>RICHARD ENCALADE</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.77</u>	
Temp	<u>20.4</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>N+ 2832ACE-1118-DV</u>	
Sample Location: <u>DUVIC</u>	
Date (YYMMDD): <u>05-11-15</u>	
Time (HHMMSS): <u>09:15:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>W. Wang</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.05</u>	
Temp	<u>24.9°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1118-TR</u>	
Sample Location:	<u>Trimuph</u>
Date (YYMMDD):	<u>05-11-15</u>
Time (HHMMSS):	<u>10:00:00</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	YES/ <input checked="" type="checkbox"/> NO
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.94</u>	
Temp	<u>25.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1118 GL</u>	
Sample Location: <u>Grand Liard</u>	
Date (YYMMDD): <u>05-11-15</u>	
Time (HHMMSS): <u>10:30:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <input checked="" type="radio"/>	
Prepared by: <u>WMM JTF</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.14</u>	
Temp	<u>25.1°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1118-SR1</u>	
Sample Location: <u>Sunrise 1</u>	
Date (YYMMDD): <u>05-11-15</u>	
Time (HHMMSS): <u>11:05:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.64</u>	
Temp	<u>25.0°c</u>	



SAMPLE COLLECTION LOG

Delivery Order No: _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1118-SR2</u>	
Sample Location: <u>Sunrise 2</u>	
Date (YYMMDD): <u>05-11-15</u>	
Time (HHMMSS): <u>11:25:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/INA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.65</u>	
Temp	<u>25.0°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1118-GW</u>	
Sample Location: <u>Gainard Woods</u>	
Date (YYMMDD): <u>05-11-18</u>	
Time (HHMMSS): <u>12:00:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <input checked="" type="checkbox"/>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.46</u>	
Temp	<u>24.2°c</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1118-14</u>	
Sample Location:	<u>Hayes</u>
Date (YYMMDD):	<u>05-11-15</u>
Time (HHMMSS):	<u>12:40:00</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	YES/NO <input checked="" type="checkbox"/>
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.47</u>	
Temp	<u>25.5</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832 ACE-1118-DI</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-13</u>	
Time (HHMMSS): <u>13:10:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <input checked="" type="radio"/>	
Prepared by: <u>WMM JTF</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.92	
Temp	26.7°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1118-Dia</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-18</u>	
Time (HHMMSS): <u>13:25:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.84</u>	
Temp	<u>25.6°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-1118-WPH</u>	
Sample Location: <u>West Pointe a la Hache</u>	
Date (YYMMDD): <u>05-11-15</u>	
Time (HHMMSS): <u>13:45:00</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Paul Lo</u>
Witness:	<u>Wendell Thompson</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>9.25</u>	
Temp	<u>27.9°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-GL</u>	
Sample Location: <u>Grand Liard</u>	
Date (YYMMDD): <u>05-11-22</u>	
Time (HHMMSS): <u>09:30</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/ <input checked="" type="radio"/> NO	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.96	
Temp	15.1°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-DU</u>	
Sample Location: <u>Duvic</u>	
Date (YYMMDD): <u>05-11-22</u>	
Time (HHMMSS): <u>08:50</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/ <input checked="" type="radio"/> NO	
Prepared by: <u>Will Ruff</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.64^{at}</u>	<u>7.96</u>
Temp	<u>14.6°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-TR</u>	
Sample Location: <u>Triumph</u>	
Date (YYMMDD): <u>05-11-22</u>	
Time (HHMMSS): <u>09:20</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/INA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO <u>NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.94</u>	
Temp	<u>14.6°c</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-SRI</u>	
Sample Location: <u>Sunrise #1</u>	
Date (YYMMDD): <u>05-11-02</u>	
Time (HHMMSS): <u>10:15</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.71</u>	
Temp	<u>17.5°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: 2832-ACE
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-SR2</u>	
Sample Location: <u>Sunrise #2</u>	
Date (YYMMDD): <u>05-11-22</u>	
Time (HHMMSS): <u>10:30</u>	
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	<u>Wendell Thompson</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.92</u>	
Temp	<u>17.9°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-GW</u>	
Sample Location: <u>Gainard Woods</u>	
Date (YYMMDD): <u>05-11-22</u>	
Time (HHMMSS): <u>11:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Will J. T. [Signature]</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	8.18	
Temp	15.0°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-HY</u>	
Sample Location: <u>Hayes</u>	
Date (YYMMDD): <u>05-11-22</u>	
Time (HHMMSS): <u>11:30</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <input checked="" type="checkbox"/>	
Prepared by: <u>Wm J T</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	8.05	
Temp	15.2°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-DIa</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-22</u>	
Time (HHMMSS): <u>12:00</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>Wendell Thompson</u>	
Witness: <u>Richard Encalade</u>	
Contractor: <u>MMG</u>	
Remarks:	
Weather: Rain Event YES/ <input checked="" type="checkbox"/> NO	
Prepared by: <u>Will J. Truf.</u>	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.59	
Temp	15.4°C	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-DI</u>	
Sample Location: <u>Diamond</u>	
Date (YYMMDD): <u>05-11-22</u>	
Time (HHMMSS): <u>11:50</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by: <u>Wendell Thompson</u>	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.6 <u>7.60</u>	<u>7.60</u>
Temp	<u>15.6°C</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832ACE-112205-WPH</u>	
Sample Location: <u>West Pointe A La Hache</u>	
Date (YYMMDD): ^{WT} 05-11-22 <u>05-11-22</u>	
Time (HHMMSS): <u>10:15</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/INA</u>
Sampler:	<u>Wendell Thompson</u>
Witness:	<u>Richard Encalade</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event <u>YES/NO</u>	
Prepared by:	<u>Wm J T Corp.</u>
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.81</u>	
Temp	<u>15.7°c</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE 112205-PH</u>	
Sample Location: <u>POINTE A' LA HACHE</u>	
Date (YYMMDD): <u>11-22-05</u>	
Time (HHMMSS): <u>0840</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>PAUL LO</u>
Witness:	<u>GARY BROOKS</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	8.14	
Temp	14.3	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-112205-BV</u>	
Sample Location: <u>BELLEVUE</u>	
Date (YYMMDD): <u>11-22-05</u>	
Time (HHMMSS): <u>0905</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>PAUL LO</u>
Witness:	<u>GARY BROOKS</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	8.05	
Temp	13.9	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-12205-SC</u>	
Sample Location:	<u>SCARSEOLE</u>
Date (YYMMDD):	<u>11-22-05</u>
Time (HHMMSS):	<u>0945</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>PAUL LO</u>
Witness:	<u>GARY BROOKS</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.73</u>	
Temp	<u>14.3</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-112205-BW</u>	
Sample Location: <u>BRAITWATE</u>	
Date (YYMMDD): <u>11-22-05</u>	
Time (HHMMSS): <u>1020</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix: <u>Sed/Soil/Water</u>	
Sample Qualifier: <u>QA/QC/RB/CS</u>	
Sample Type: <u>GRAB/COMP/NA</u>	
Sampler: <u>PAUL LO</u>	
Witness: <u>GARY BROOKS</u>	
Contractor: <u>MMG</u>	
Remarks: _____ _____ _____ _____ _____	
Weather: Rain Event YES/NO _____	
Prepared by: _____	
Checked by: _____	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicide ds	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>8.97</u>	
Temp	<u>13.9</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-112205-BC1</u>	
Sample Location: <u>BELLE CHASSE 1</u>	
Date (YYMMDD): <u>11-22-05</u>	
Time (HHMMSS): <u>1130</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>PAUL LO</u>
Witness:	<u>GARY BROOKS</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.77	
Temp	16.1	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-112205-Bc2</u>	
Sample Location: <u>BELLE CHASSE 2</u>	
Date (YYMMDD): <u>11-22-05</u>	
Time (HHMMSS): <u>1155</u>	
Top Depth: <u>NA</u>	
Bottom Depth: <u>NA</u>	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>PAUL LO</u>
Witness:	<u>GARY BROOKS</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOA	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	7.42	
Temp	16.2	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-112205-01</u>	
Sample Location:	<u>OLLIE 1</u>
Date (YYMMDD):	<u>11-22-05</u>
Time (HHMMSS):	<u>1250</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>PAUL LO</u>
Witness:	<u>GARY BROOKS</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40mL VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.52</u>	
Temp	<u>15.8</u>	



SAMPLE COLLECTION LOG

Delivery Order No _____	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-112205-0L2</u>	
Sample Location:	<u>OLLIE 2</u>
Date (YYMMDD):	<u>11-22-05</u>
Time (HHMMSS):	<u>1310</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>PAUL LO</u>
Witness:	<u>GARY BROOKS</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event	<u>YES/NO</u>
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOA's	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.85</u>	
Temp	<u>16.2</u>	



SAMPLE COLLECTION LOG

Delivery Order No	Project: <u>2832-ACE</u>
	Site: <u>Plaquemines Parish Pump Station Water Sampling - Task 2s</u>
Sample I.D.: <u>W-2832-ACE-112205-OL3</u>	
Sample Location:	<u>OLLIE 3</u>
Date (YYMMDD):	<u>11-22-05</u>
Time (HHMMSS):	<u>1330</u>
Top Depth: NA	
Bottom Depth: NA	
Matrix:	<u>Sed/Soil/Water</u>
Sample Qualifier:	<u>QA/QC/RB/CS</u>
Sample Type:	<u>GRAB/COMP/NA</u>
Sampler:	<u>PAUL LO</u>
Witness:	<u>GARY BROOKS</u>
Contractor:	<u>MMG</u>
Remarks:	
Weather: Rain Event YES/NO	
Prepared by:	
Checked by:	

Analytical Request			
Container Type	Sample Volume/Preservative	Parameter	No. of Cont.
3*40mL VOAs	3*40mL/HCl	VOCs	
2*1L Amber	2*1 liter	SVOCs	
2*1L Amber	2*1 liter	Pesticides	
2*1L Amber	2*1 liter	PCBs	
2*1L Amber	2*1 liter	Herbicides	
2*1L Amber	2*1 liter	TPH-D, -O	
2*40ml VOA	2*40 mL/HCl	TPH-G	
500mL Plastic	500mL/HNO3	TAL Metals	
500mL Plastic	500mL/NaOH	Cyanide	
250mL Plastic	250mL/H2SO4	Ammonia	
40mL Amber VOA	40mL/H2SO4	TOC	
125mL Plastic	125mL/H2SO4	COD	
1L Plastic	1L	BOD	
1L Plastic	1L/HCl	Oil & Grease	
250mL Plastic	250 mL	TSS	

Field Screening Results		
pH	<u>7.97</u>	
Temp	<u>17.2</u>	

PROJECT: Plaquemines Parish Pump Station Water Sampling – Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE _____

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

HEALTH AND SAFETY LEVELS AND ACTIVITIES

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

BY W. Thompson TITLE Geologist

(Continuation Sheet)

PROJECT: Plaquemines Parish Pump Station Water Sampling – Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE _____

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

HEALTH AND SAFETY LEVELS AND ACTIVITIES

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

SHEET ___ OF ___

BY _____ TITLE _____



A-E DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER Reuben Mabry
PROJECT Plaquemines Parish Pump Station Water Sampling - Task 2

JOB NO. 2832-ACE
CONTRACT NO. DACW29-03-D-0014, T.O. #14

DATE 11/1/05

DAY	S	M	T	W	TH	F	S
-----	---	---	---	---	----	---	---

WEATHER	Bright Sun	Clear	Overcast	<input checked="" type="radio"/> Rain	Snow
Temp	To 32	32-35	50-70	70-85	85 up
	<input checked="" type="radio"/> Still	Moder	High	Report No.	
	Dry	Moder	<input checked="" type="radio"/> Humid		

SUB-CONTRACTOR ON SITE

None

EQUIPMENT ON SITE

PH meter, truck,

WORK PERFORMED (INCLUDING SAMPLING):

Water samples @ Westbank pumping stations

PROJECT: Plaquemines Parish Pump Station Water Sampling – Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE 11/1/05

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

Calibrate PH Meter

HEALTH AND SAFETY LEVELS AND ACTIVITIES

Meeting Conducted by Paul Lo

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

BY W. Thompson TITLE Geologist

PROJECT: Plaquemines Parish Pump Station Water Sampling - Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE 11-3-05

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

Calibrate PH meter

HEALTH AND SAFETY LEVELS AND ACTIVITIES

Level D PPE

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

SHEET 2 OF 2

BY Wendell Thompson TITLE Geologist



A-E DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER Reuben Mabry
PROJECT Plaquemines Parish Pump Station Water Sampling - Task 2

JOB NO. 2832-ACE
CONTRACT NO. DACW29-03-D-0014, T.O. #14

DATE 11-8-05

DAY	S	M	T	W	TH	F	S
-----	---	---	---	---	----	---	---

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
	Temp	To 32	32-35	50-70	70-85
	Sunny	Moder	High	Report No.	
	Dry	Moder	Humid		

SUB-CONTRACTOR ON SITE

None

EQUIPMENT ON SITE

Trucks, Sampling Jars

WORK PERFORMED (INCLUDING SAMPLING):

Sampled nine pump stations on westbank of Plaquemines Parish.

PROJECT: Plaquemines Parish Pump Station Water Sampling - Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE 11-8-05

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

Calibrate PH Meter

HEALTH AND SAFETY LEVELS AND ACTIVITIES

PPE Level D

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

SHEET 2 OF 2

BY Wendell Thompson TITLE Geologist

PROJECT: Plaquemines Parish Pump Station Water Sampling – Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE _____

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

HEALTH AND SAFETY LEVELS AND ACTIVITIES

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

SHEET ____ OF ____

BY _____ TITLE _____

(Continuation Sheet)

PROJECT: Plaquemines Parish Pump Station Water Sampling – Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE _____

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

HEALTH AND SAFETY LEVELS AND ACTIVITIES

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

SHEET ___ OF ___

BY _____ TITLE _____



A-E DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER Reuben Mabry

PROJECT Plaquemines Parish Pump Station Water Sampling - Task 2

JOB NO. 2832-ACE

CONTRACT NO. DACW29-03-D-0014, T.O. #14

DATE 11/16/05

DAY	S	M	T	W	TH	F	S
-----	---	---	---	---	----	---	---

WEATHER

Bright Sun	Clear	<u>Overcast</u>	Rain	Snow
To 32	32-35	50-70	<u>70-85</u>	85 up
<u>Still</u>	Moder	High	Report No.	
Dry	Moder	<u>Humid</u>		

SUB-CONTRACTOR ON SITE

EQUIPMENT ON SITE

Truck & PH meter

WORK PERFORMED (INCLUDING SAMPLING):

Sampled Westbank Plaquemines Parish Pumping Stations

PROJECT: Plaquemines Parish Pump Station Water Sampling - Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE 11/10/05

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

PH Meter Calibrated

HEALTH AND SAFETY LEVELS AND ACTIVITIES

Level D PPE

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

BY W. Thompson TITLE Geologist



A-E DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER Reuben Mabry

PROJECT Plaquemines Parish Pump Station Water Sampling - Task 2

JOB NO. 2832-ACE

CONTRACT NO. DACW29-03-D-0014, T.O. #14

DATE 11-15-05

S	M	T	W	TH	F	S
---	---	----------	---	----	---	---

WEATHER	<input checked="" type="radio"/> Bright Sun	Clear	Overcast	Rain	Snow
Temp	To 32	32-35	50-70	60-85	85 up
	Still	<input checked="" type="radio"/> Moderate	High	Report No.	
	Dry	<input checked="" type="radio"/> Moderate	Humid		

SUB-CONTRACTOR ON SITE

EQUIPMENT ON SITE

Truck & Sample Jars

WORK PERFORMED (INCLUDING SAMPLING):

Sampled 9 Westbank Pumping Stations

PROJECT: Plaquemines Parish Pump Station Water Sampling – Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE 11-15-05

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

*PH Meter Calibrations
Duplicate Samples at Diamond*

HEALTH AND SAFETY LEVELS AND ACTIVITIES

Level D PPE

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

BY Wendell Thompson TITLE Geologist

PROJECT: Plaquemines Parish Pump Station Water Sampling – Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE _____

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)
HEALTH AND SAFETY LEVELS AND ACTIVITIES
PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:
SPECIAL NOTES
TOMORROW'S EXPECTATIONS:

SHEET ___ OF ___

BY _____ TITLE _____



A-E DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER Reuben Mabry
 PROJECT Plaquemines Parish Pump Station Water Sampling - Task 2
 JOB NO. 2832-ACE
 CONTRACT NO. DACW29-03-D-0014, T.O. #14

DATE 11-22-05

S	M	<u>T</u>	W	TH	F	S
---	---	----------	---	----	---	---

WEATHER	Bright Sun	Clear	<u>Overcast</u>	Rain	Snow
	To 32	32-35	<u>40-70</u>	70-85	85 up
Temp	Still	<u>Moder</u>	High	Report No.	
	Dry	<u>Moder</u>	Humid		

SUB-CONTRACTOR ON SITE

EQUIPMENT ON SITE

4x4 Truck
PH Meter

WORK PERFORMED (INCLUDING SAMPLING):

Water Sampling the Plaquemines Parish
Pumping Stations (west bank)

PROJECT: Plaquemines Parish Pump Station Water Sampling - Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE 11-22-05

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

PH Meter Calibration

HEALTH AND SAFETY LEVELS AND ACTIVITIES

Level D PPE

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

BY Wendell Thompson TITLE Geologist



A-E DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER Reuben Mabry
PROJECT Plaquemines Parish Pump Station Water Sampling - Task 2

JOB NO. 2832-ACE
CONTRACT NO. DACW29-03-D-0014, T.O. #14

DATE 11-22-05

DAY	S	M	T	W	TH	F	S
-----	---	---	---	---	----	---	---

WEATHER

Bright Sun	Clear	Overcast	Rain	Snow
To 32	32-35	50-70	70-85	85 up
Still	Moder	High	Report No.	
Dry	Moder	Humid		

Temp

SUB-CONTRACTOR ON SITE

EQUIPMENT ON SITE

TRUCK + PH METER

WORK PERFORMED (INCLUDING SAMPLING):

(Continuation Sheet)

PROJECT: Plaquemines Parish Pump Station Water Sampling – Task 2

REPORT NO. _____

JOB NO 2832-ACE

DATE _____

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

HEALTH AND SAFETY LEVELS AND ACTIVITIES

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

SHEET ___ OF ___

BY _____ TITLE _____



DAILY LOG

Materials Management Group, Inc
 3520 General DeGaulle Drive, Suite 3010, New Orleans, LA 70114
 Phone: (504)368-0568 Fax: (504)368-8403

Project Number: 2832-ACE
 Page of

Job Title: Plaquemines Parish Pump Station Water Sampling - Task 2
 Job Location: _____
 Purpose of Site Visit: Water sampling
 Client/Contact: Reuben Mabry Phone: (504) 862-2707
 Contractor Contact: Paul Lo Phone: (504) 368-0568
 Weather Conditions: _____
 Equipment Used: _____
 Bailers Truck(s) _____
 Interface Probe(s) Trailer(s) _____
 Level D PPE Other: _____
 Pump _____
 Pump Controller _____
 Small Tools _____

DATE	TIME	DESCRIPTION OF ACTIVITIES
10/25	7:30	Depart office
	8:55	Arrive Davie, 9:10 collected sample
	9:00	Arrive Grandiard
	9:55	Collect sample
	10:00	Move to Trump
	10:10	collect sample
	10:55	Arrived at Sunrise
	11:05	Collect Sunrise #1
	11:20	Collect Sunrise #2
	12:00	Arrive Pinard Wood
	12:05	collect sample
	12:55	Arrive Hayes
	12:40	collect sample
	13:05	Arrived Diamond
	13:10	Collect sample
	13:50	Arrive West Pointada Hack
	13:55	Collect sample
	14:20	Back to office
	15:00	Arrived at office

WORK PERFORMED:

TIME: Arrival: _____ Departure: _____ Mileage: _____
 HOURS: On-Site: _____ Travel: _____ Total Hours: _____

Technician: _____ Supervisor: _____

Appendix B: Final Safety Report



Tailgate Safety Meeting

Date: 0/25 Time: 6:30 File #: 2832-ACE

Site Location: Plaquemines Parish

Type of Work: Plaquemines Parish Pump Station Water Sampling - Task 2

Site Manager: Paul Lo Site Phone: (504) 237-5172

Topic of the Day: _____
(Optional)

Hazards:

- Slips/Trips/Falls Thermal Stress Biological Fire/Explosion/Hot Work*
- Electrical Lifting Acoustical Heavy Equipment
- Radiological Excavation* Confined Space* Severe Weather

Chemical Exposure
 From site: Unkown contaminants
 From work procedures: Reagents

Absorption Inhalation Ingestion MSDS located in field files
 Other: _____

PPE: Level A B C D

- Full Face 1/2 Face Combination: HEPA/Organic
- Hepa Organic Air Pump
- Cascade Air SCBA
- Steel Toe Rubber Steel Toe Cotton Dot Leather Gloves
- Ear Plugs Hard Hat Face Shield/Goggles/Glasses
- Surgical Gloves Nitrile Gloves PVC Gloves
- Tyvek Saranex Other: Waders

Monitoring:

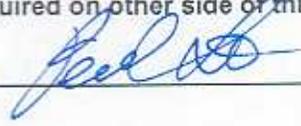
- FID PID LEL/O₂ XRF
- Draeger : _____
- Personnel Area Field Screening
- Other : _____

Emergency Facility:

Name: West Jefferson Medical Center Phone: 911, (504) 347-5511 Map in Job Binder
Address: 1101 Medical Center Blvd., Marrero, LA 70072

Attendee's Signature required on other side of this form.

* Permit Required

Meeting Conducted By: 

Printed Name

Signature

Paul Lo

Wendell Thompson

GARY BROWN

Richard Encalada

Paul Lo

Wendell Thompson

Gary Brown

Richard Encalada

Plan of the Day

Job #: 2832-ACE
Location: _____

Date: _____
Supervisor's Initials: _____



Tailgate Safety Meeting

Date: 10/27/05 Time: 0645 File #: 2832-ACE

Site Location: Plaquemine Parish

Type of Work: Plaquemine Parish Pump Station Water Sampling - Task 2

Site Manager: Paul Lo Site Phone: (504) 237-5172

Topic of the Day: _____
(Optional) _____

Hazards:

- Slips/Trips/Falls Thermal Stress Biological Fire/Explosion/Hot Work*
- Electrical Lifting Acoustical Heavy Equipment
- Radiological Excavation* Confined Space* Severe Weather

Chemical Exposure

- From site: Unkown contaminants
- From work procedures: Reagents

- Absorption Inhalation Ingestion MSDS located in field files
- Other: _____

PPE: Level A B C D

- Full Face 1/2 Face Combination: HEPA/Organic
- Hepa Organic Air Pump
- Cascade Air SCBA
- Steel Toe Rubber Steel Toe Cotton Dot Leather Gloves
- Ear Plugs Hard Hat Face Shield/Goggles/Glasses
- Surgical Gloves Nitrile Gloves PVC Gloves
- Tyvek Saranex Other : Waders

Monitoring:

- FID PID LEL/O₂ XRF
- Draeger : _____
- Personnel Area Field Screening
- Other : _____

Emergency Facility:

Name: West Jefferson Medical Center Phone: 911, (504) 347-5511 Map in Job Binder

Address: 1101 Medical Center Blvd., Marrero, LA 70072

Attendee's Signature required on other side of this form.

* Permit Required

Meeting Conducted By: Paul Lo

Printed Name

Signature

Paul So

GARY BROOKS

Richard Encalada

Rene Silva

Wendell Thompson

Paul So

Gary Brooks

Richard Encalada

Rene Silva

Wendell Thompson

Plan of the Day

Job #: 2832-ACE
Location: _____

Date: _____
Supervisor's Initials: _____



Tailgate Safety Meeting

Date: 11/1/05 Time: 0650 File #: 2832-ACE

Site Location: Plaquemine Parish

Type of Work: Plaquemine Parish Pump Station Water Sampling - Task 2

Site Manager: Paul Lo Site Phone: (504) 237-5172

Topic of the Day: _____
(Optional)

Hazards:

- Slips/Trips/Falls Thermal Stress Biological Fire/Explosion/Hot Work*
- Electrical Lifting Acoustical Heavy Equipment
- Radiological Excavation* Confined Space* Severe Weather

Chemical Exposure

- From site: Unkown contaminants
- From work procedures: Reagents

- Absorption Inhalation Ingestion MSDS located in field files
- Other: _____

PPE: Level A B C D

- Full Face 1/2 Face
- Hepa Organic Combination: HEPA/Organic
- Cascade Air SCBA Air Pump
- Steel Toe Rubber Steel Toe Cotton Dot Leather Gloves
- Ear Plugs Hard Hat Face Shield/Goggles/Glasses
- Surgical Gloves Nitrile Gloves PVC Gloves
- Tyvek Saranex Other: Waders

Monitoring:

- FID PID LEL/O₂ XRF
- Draeger : _____
- Personnel Area Field Screening
- Other : _____

Emergency Facility:

Name: West Jefferson Medical Center Phone: 911, (504) 347-5511 Map in Job Binder

Address: 1101 Medical Center Blvd., Marrero, LA 70072

Attendee's Signature required on other side of this form.

* Permit Required

Meeting Conducted By: Paul Lo

Printed Name

Signature

Paul Lo

GARY BROOKS

Wendell Thompson

Richard Escalade

Rene Silva

Paul Lo

Camp Paul

Wendell Thompson

R. Escalade

Rene Silva

Plan of the Day

Job #: 2832-ACE _____
Location: _____

Date: _____
Supervisor's Initials: _____



Tailgate Safety Meeting

Date: 11/3/05 Time: 6:55 File #: 2832-ACE

Site Location: Plaquemine Parish

Type of Work: Plaquemine Parish Pump Station Water Sampling - Task 2

Site Manager: Paul Lo Site Phone: (504) 237-5172

Topic of the Day: _____
(Optional) _____

Hazards:

- Slips/Trips/Falls Thermal Stress Biological Fire/Explosion/Hot Work*
- Electrical Lifting Acoustical Heavy Equipment
- Radiological Excavation* Confined Space* Severe Weather

Chemical Exposure

- From site: Unkown contaminants
- From work procedures: Reagents

- Absorption Inhalation Ingestion MSDS located in field files
- Other: _____

PPE: Level A B C D

- Full Face 1/2 Face Combination: HEPA/Organic
- Hepa Organic Air Pump
- Cascade Air SCBA
- Steel Toe Rubber Steel Toe Cotton Dot Leather Gloves
- Ear Plugs Hard Hat Face Shield/Goggles/Glasses
- Surgical Gloves Nitrile Gloves PVC Gloves
- Tyvek Saranex Other: Waders

Monitoring:

- FID PID LEL/O₂ XRF
- Draeger: _____
- Personnel Area Field Screening
- Other: _____

Emergency Facility:

Name: West Jefferson Medical Center Phone: 911, (504) 347-5511 Map in Job Binder

Address: 1101 Medical Center Blvd., Marrero, LA 70072

Attendee's Signature required on other side of this form.

* Permit Required

Meeting Conducted By: Paul Lo

Printed Name

Signature

Paul Lo

GARY BROOKS

Wendell Thompson

Richard Enca Indr

Paul B

Gary Brooks

Wendell Thompson

R. Enca Indr

Plan of the Day

Job #: 2832-ACE _____
Location: _____

Date: _____
Supervisor's Initials: _____



Tailgate Safety Meeting

Date: 11/08/05 Time: 0655 File #: 2832-ACE

Site Location: _____

Type of Work: Plaquemines Parish Pump Station Water Sampling – Task 2

Site Manager: Paul Lo Site Phone: (504) 237-5172

Topic of the Day: Foggy weather, Driving conditions.
(Optional)

Hazards:

- Slips/Trips/Falls
 - Thermal Stress
 - Biological
 - Fire/Explosion/Hot Work*
 - Electrical
 - Lifting
 - Acoustical
 - Heavy Equipment
 - Radiological
 - Excavation*
 - Confined Space*
 - Severe Weather
- Chemical Exposure**
- From site: Unknown contaminants
 - From work procedures: Reagents
- Absorption
 - Inhalation
 - Ingestion
 - MSDS located in field files
 - Other: _____

PPE: Level A B C D

- Full Face
- 1/2 Face
- Hepa
- Organic
- Cascade Air
- SCBA
- Combination: HEPA/Organic
- Air Pump
- Steel Toe
- Rubber Steel Toe
- Cotton Dot
- Leather Gloves
- Ear Plugs
- Hard Hat
- Face Shield/Goggles/Glasses
- Surgical Gloves
- Nitrile Gloves
- PVC Gloves
- Tyvek
- Saranex
- Other: Waders

Monitoring:

- FID
- PID
- LEL/O₂
- XRF
- Draeger: _____
- Personnel
- Area
- Field Screening
- Other: _____

Emergency Facility:

Name: West Jefferson Medical Center Phone: 911, (504) 347-5511 Map in Job Binder

Address: 1101 Medical Center Blvd., Marrero, LA 70072

Attendee's Signature required on other side of this form.

* Permit Required

Meeting Conducted By: *Paul Lo*

Printed Name

Signature

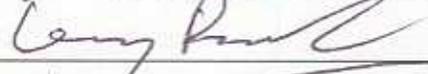
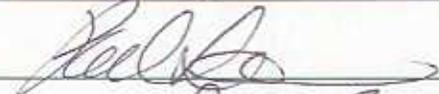
Paul do

GARY BROOKS

Wendell Thompson

Richard Encalade

Rene Silva



Plan of the Day

Job #: 2832-ACE _____
Location: _____

Date: _____
Supervisor's Initials: _____



Tailgate Safety Meeting

Date: 11/10/05 Time: 07:03 File #: 2832-ACE

Site Location: MMG Office

Type of Work: Plaquemines Parish Pump Station Water Sampling – Task 2

Site Manager: Paul Lo Site Phone: (504) 237-5172

Topic of the Day: Fog
(Optional)

Hazards:

- Slips/Trips/Falls
- Electrical
- Radiological
- Thermal Stress
- Lifting
- Excavation*
- Biological
- Acoustical
- Confined Space*
- Fire/Explosion/Hot Work*
- Heavy Equipment
- Severe Weather

Chemical Exposure

- From site: Unkown contaminants
- From work procedures: Reagents

- Absorption
- Inhalation
- Ingestion
- MSDS located in field files
- Other: _____

PPE: Level A B C D

- Full Face
- Hepa
- Cascade Air
- Steel Toe
- Ear Plugs
- Surgical Gloves
- Tyvek
- 1/2 Face
- Organic
- SCBA
- Rubber Steel Toe
- Hard Hat
- Nitrile Gloves
- Saranex
- Combination: HEPA/Organic
- Air Pump
- Cotton Dot
- Face Shield/Goggles/Glasses
- PVC Gloves
- Other: Waders
- Leather Gloves

Monitoring:

- FID
- Draeger :
- Personnel
- Other :
- PID
- Area
- LEL/O₂
- Field Screening
- XRF

Emergency Facility:

Name: West Jefferson Medical Center Phone: 911, (504) 347-5511

Address: 1101 Medical Center Blvd., Marrero, LA 70072

Attendee's Signature required on other side of this form.

* Permit Required

Meeting Conducted By: Wendell Thompson

Printed Name

Signature

Wendell Thompson

Wendell Thompson

Rene Silva

Rene Silva

GARY BROOKS

Gary Brooks

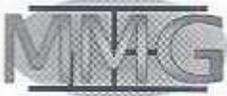
Richard Eneade

R. Eneade

Plan of the Day

Job #: 2832-ACE
Location: MMF Office

Date: 10/11/05
Supervisor's Initials: WTS



Tailgate Safety Meeting

Date: 11-22-05 Time: 7:00/AM File #: 2832-ACE

Site Location: Plaquemine Parish

Type of Work: Plaquemine Parish Pump Station Water Sampling - Task 2

Site Manager: Paul Lo Site Phone: (504) 237-5172

Topic of the Day: _____
(Optional) _____

Hazards:

- Slips/Trips/Falls Thermal Stress Biological Fire/Explosion/Hot Work*
- Electrical Lifting Acoustical Heavy Equipment
- Radiological Excavation* Confined Space* Severe Weather

Chemical Exposure

- From site: Unkown contaminants
- From work procedures: Reagents,

- Absorption Inhalation Ingestion MSDS located in field files
- Other: _____

PPE: Level A B C D

- Full Face 1/2 Face
- Hepa Organic Combination: HEPA/Organic
- Cascade Air SCBA Air Pump
- Steel Toe Rubber Steel Toe Cotton Dot Leather Gloves
- Ear Plugs Hard Hat Face Shield/Goggles/Glasses
- Surgical Gloves Nitrile Gloves PVC Gloves
- Tyvek Saranex Other: Waders

Monitoring:

- FID PID LEL/O₂ XRF
- Draeger : _____
- Personnel Area Field Screening
- Other : _____

Emergency Facility:

Name: West Jefferson Medical Center Phone: 911, (504) 347-5511 Map in Job Binder

Address: 1101 Medical Center Blvd., Marrero, LA 70072

Attendee's Signature required on other side of this form.

* Permit Required

Meeting Conducted By: Paul Lo

Printed Name

Signature

Paul Lo

Wm Thompson

GARY BROOKER

Richard ENCONTADA

Paul Lo

Wm Thompson

GARY BROOKER

Richard ENCONTADA

Plan of the Day

Job #: 2832-ACE _____
Location: _____

Date: _____
Supervisor's Initials: _____



Tailgate Safety Meeting

Date: 11/15/05 Time: 0650 File #: 2832-ACE

Site Location: Plaquemine Parish

Type of Work: Plaquemine Parish Pump Station Water Sampling - Task 2

Site Manager: Paul Lo Site Phone: (504) 237-5172

Topic of the Day: _____
(Optional)

Hazards:

- Slips/Trips/Falls Thermal Stress Biological Fire/Explosion/Hot Work*
- Electrical Lifting Acoustical Heavy Equipment
- Radiological Excavation* Confined Space* Severe Weather

Chemical Exposure

- From site: Unknown contaminants
- From work procedures: Reagents

- Absorption Inhalation Ingestion MSDS located in field files
- Other: _____

PPE: Level A B C D

- Full Face 1/2 Face Combination: HEPA/Organic
- Hepa Organic Air Pump
- Cascade Air SCBA
- Steel Toe Rubber Steel Toe Cotton Dot Leather Gloves
- Ear Plugs Hard Hat Face Shield/Goggles/Glasses
- Surgical Gloves Nitrile Gloves PVC Gloves
- Tyvek Saranex Other: Waders

Monitoring:

- FID PID LEL/O₂ XRF
- Draeger : _____
- Personnel Area Field Screening
- Other : _____

Emergency Facility:

Name: West Jefferson Medical Center Phone: 911, (504) 347-5511 Map in Job Binder

Address: 1101 Medical Center Blvd., Marrero, LA 70072

Attendee's Signature required on other side of this form.

* Permit Required

Meeting Conducted By: _____

Appendix C: Photographs



Plaquemines Parish Pump Station Water Sampling-Task 2
Photolog
2832-ACE

Photo Number	Compass Direction Facing	Location	Description
1	Southeast	Belle Chasse #1	Intake
2	Southeast	Belle Chasse #1	Discharge
3	Northeast	Belle Chasse #2	Intake
4	Northeast	Belle Chasse #2	Discharge
5	Southwest	Bellevue	Intake
6	Northeast	Bellevue	Discharge
7	East	Braithwaite	Intake
8	South	Braithwaite	Discharge
9	North	Diamond	Intake
10	East	Diamond	Discharge
11	Southeast	Duvic	Intake
12	North	Duvic	Discharge
13	East	Gainard Woods	Intake
14	East	Gainard Woods	Discharge
15	South	Grand Liard	Intake
16	North	Grand Liard	Discharge



Plaquemines Parish Pump Station Water Sampling-Task 2
Photolog
2832-ACE

Photo Number	Compass Direction Facing	Location	Description
17	North	Hayes	Intake
18	North	Hayes	Discharge
19	South	Upper Ollie	Intake
20	West	Upper Ollie	Discharge
21	South	Ollie #2	Intake
22	North	Ollie #2	Discharge
23	East	Lower Ollie	Intake
24	South	Lower Ollie	Discharge
25	West	Pointe A La Hache – East	Intake
26	Northeast	Pointe A La Hache – East	Discharge
27	West	Pointe A La Hache – West	Intake
28	Southeast	Pointe A La Hache – West	Discharge
29	North	Scarsdale	Intake
30	Northeast	Scarsdale	Discharge
31	Southeast	Sunrise #1	Intake
32	East	Sunrise #1	Discharge



Photo # 1: Belle Chasse #1 Pumping Station - Intake



Photo # 2: Belle Chasse #1 Pumping Station - Discharge



Photo # 3: Belle Chasse #2 Pumping Station - Intake



Photo # 4: Belle Chasse #2 Pumping Station - Discharge



Photo # 5: Bellevue Pumping Station - Intake



Photo # 6: Bellevue Pumping Station - Discharge

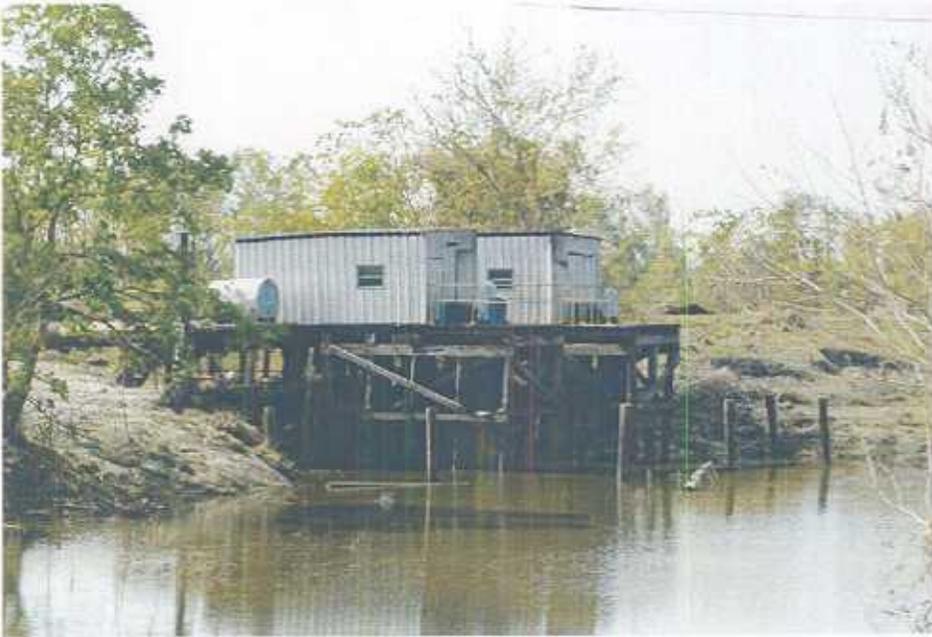


Photo # 7: Braithwaite Pumping Station - Intake



Photo # 8: Braithwaite Pumping Station - Discharge



Photo # 9: Diamond Pumping Station - Intake



Photo # 10: Diamond Pumping Station - Discharge



Photo # 11: Duvic Pumping Station - Intake

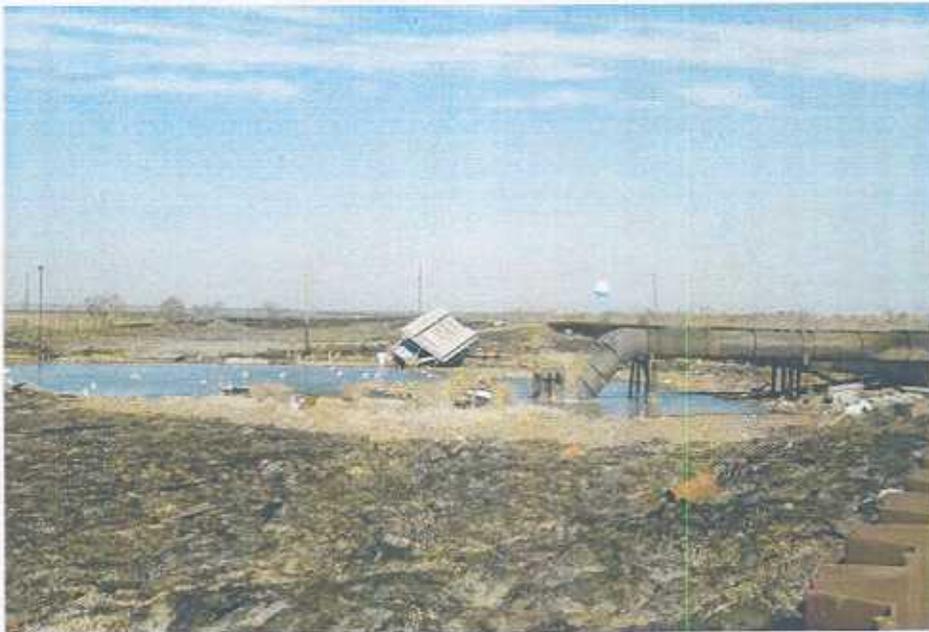


Photo # 12: Duvic Pumping Station - Discharge



Photo # 13: Gainard Woods Pumping Station - Intake



Photo # 14: Gainard Woods Pumping Station - Discharge



Photo # 15: Grand Liard Pumping Station - Intake

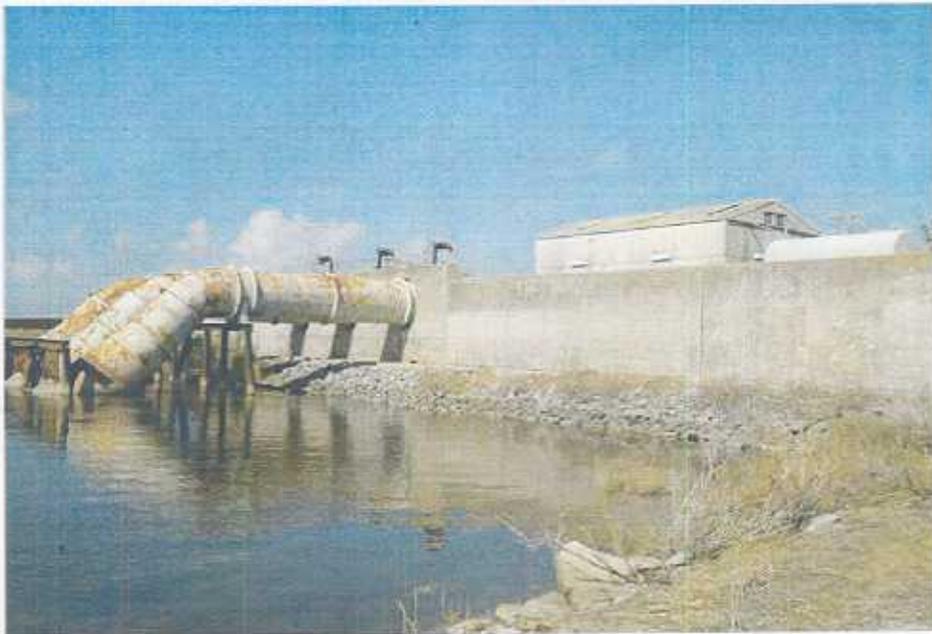


Photo # 16: Grand Liard Pumping Station - Discharge

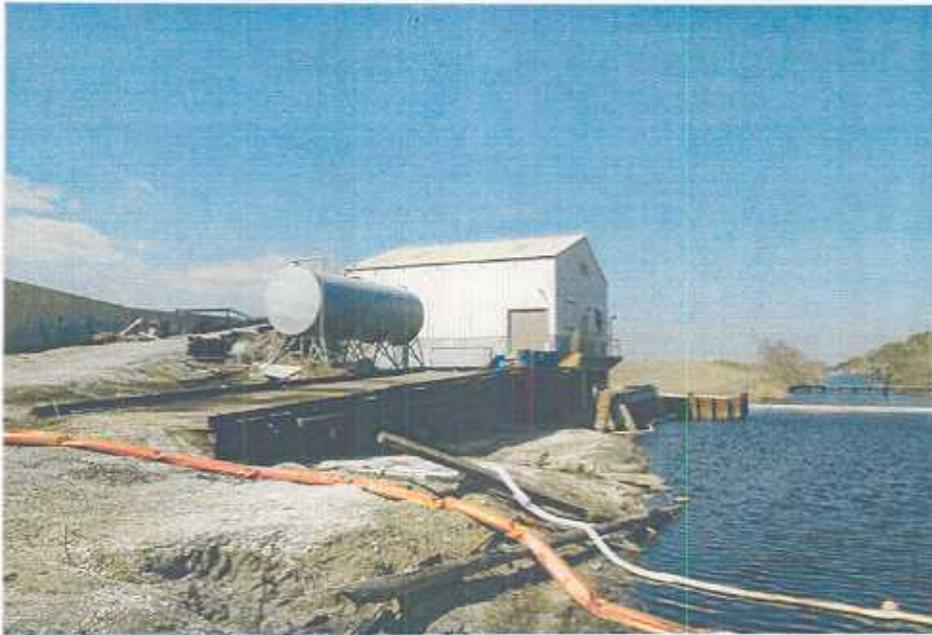


Photo # 17: Hayes Pumping Station - Intake

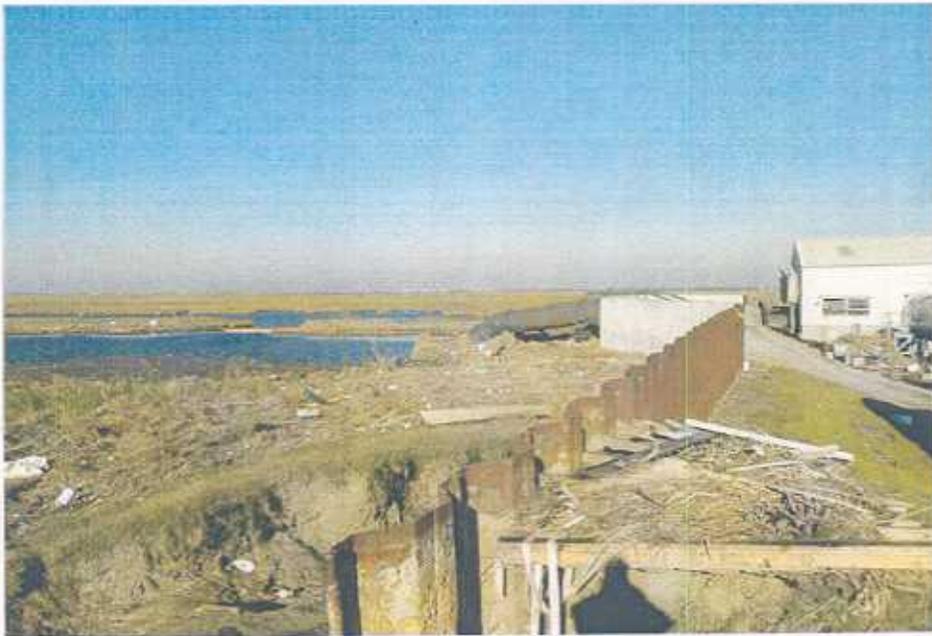


Photo # 18: Hayes Pumping Station - Discharge



Photo # 19: Upper Ollie Pumping Station - Intake

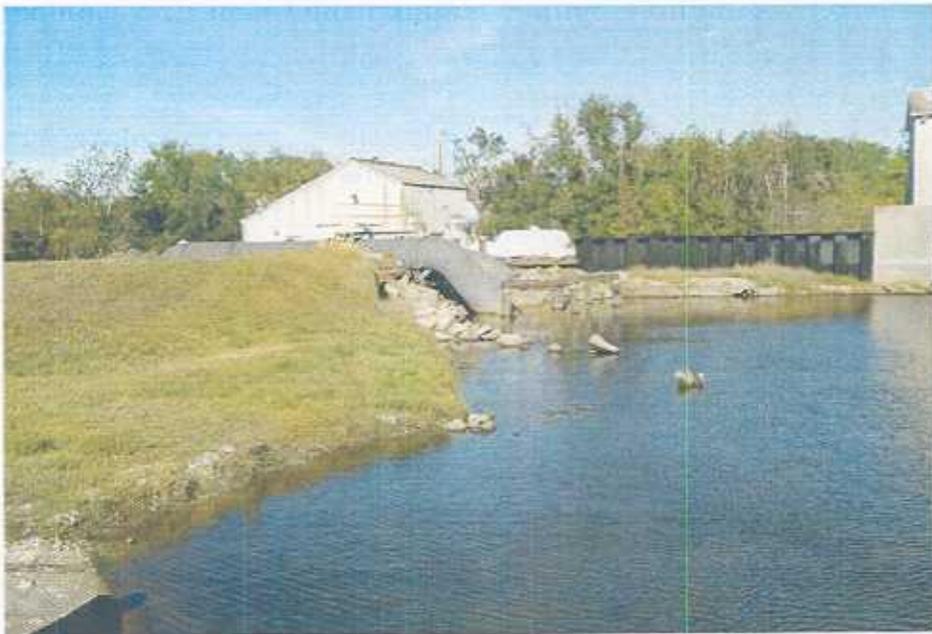


Photo # 20: Upper Ollie Pumping Station - Discharge



Photo # 21: Ollie #2 Pumping Station - Intake



Photo # 22: Ollie #2 Pumping Station - Discharge



Photo # 23: Lower Ollie Pumping Station - Intake



Photo # 24: Lower Ollie Pumping Station - Discharge



Photo # 25: Pointe A La Hache East Bank Pumping Station - Intake



Photo # 26: Pointe A La Hache East Bank Pumping Station - Discharge

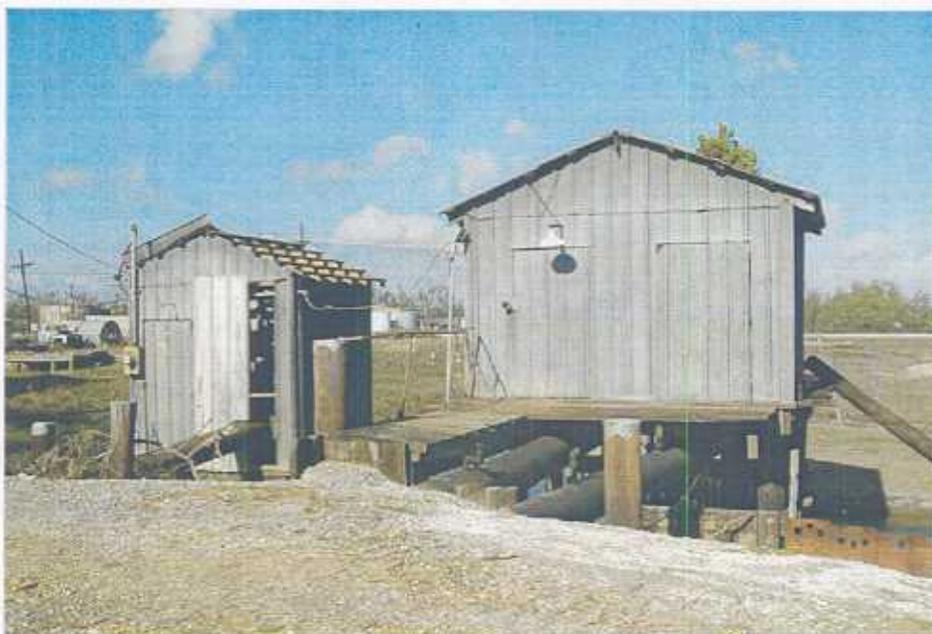


Photo # 27: Pointe A La Hache West Bank Pumping Station - Intake



Photo # 28: Pointe A La Hache West Bank Pumping Station - Discharge



Photo # 29: Scarsdale Pumping Station - Intake



Photo # 30: Scarsdale Pumping Station - Discharge

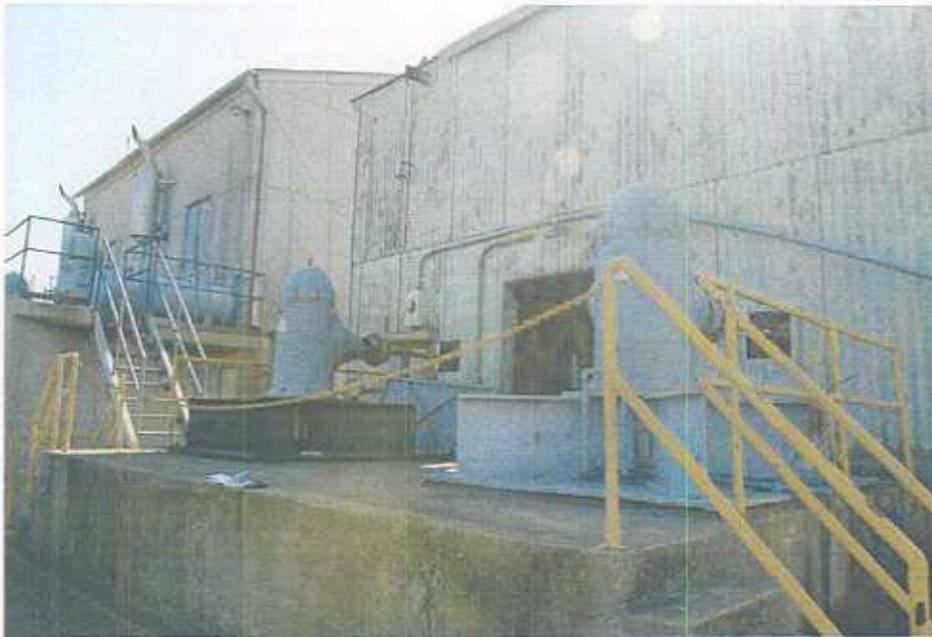


Photo # 31: Sunrise #1 Pumping Station - Intake



Photo # 32: Sunrise #1 Pumping Station - Discharge

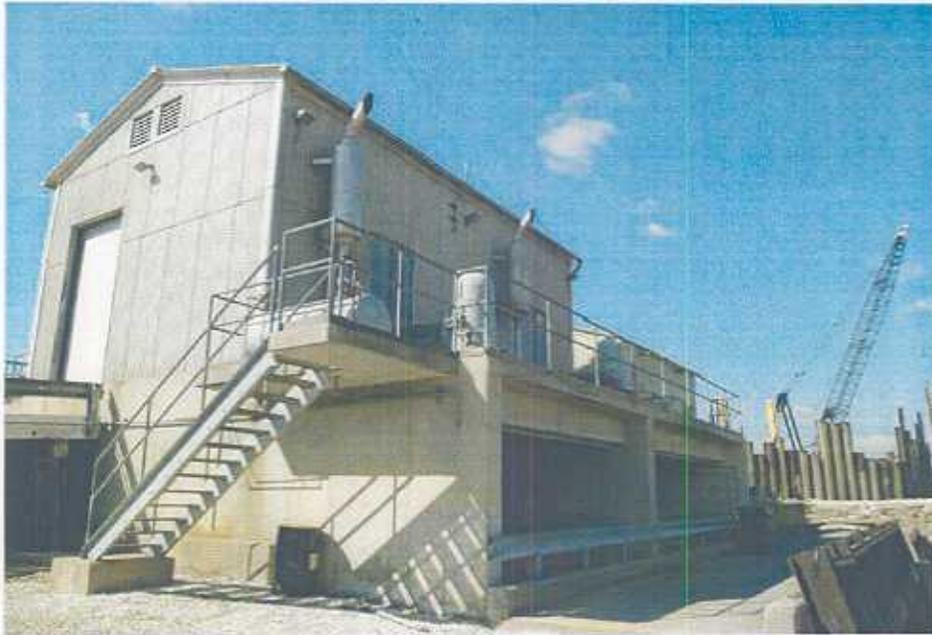


Photo # 33: Sunrise #2 Pumping Station - Intake

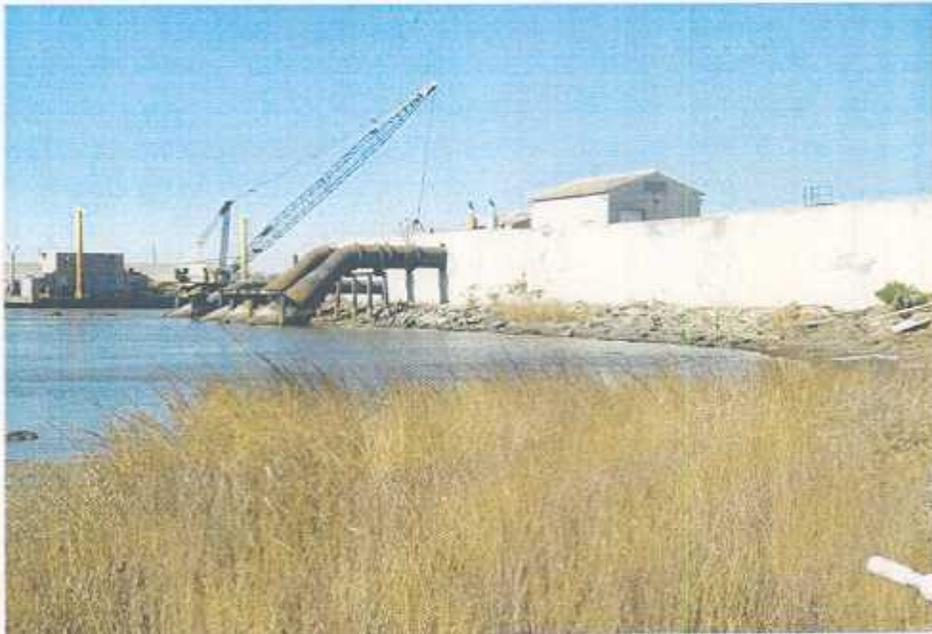


Photo # 34: Sunrise #2 Pumping Station - Discharge



Photo # 35: Triumph Pumping Station - Intake



Photo # 36: Triumph Pumping Station - Discharge

Appendix D: Final Analytical Report