

Groundwater and Surface-Water Investigation Report

Former Hobe Sound Landfill
Hobe Sound, Martin County, Florida

Prepared for
Florida Department of Environmental Protection
Site Investigation Section
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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CERTIFICATION

Hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by an LFR Levine-Fricke Florida Registered Geologist.



George E. Wiegand, P.G., Senior Project Hydrogeologist
Florida Professional Geologist (0000795)

5/17/02

Date

EXECUTIVE SUMMARY

In February and March 2002, a groundwater study was conducted at the former Hobe Sound Landfill, Hobe Sound, Florida (“the Site”) for the Site Investigation Section of the Florida Department of Environmental Protection (FDEP). The study was initiated to evaluate whether landfill activities at the former Hobe Sound Landfill have affected the groundwater quality at the Site and its vicinity.

Thirteen monitoring wells were installed using direct-push on or near the former landfill to monitor the shallow groundwater quality. Soil borings were collected at three of the monitoring well locations to assess the lithology of the area. Groundwater samples from 12 of the monitoring wells (one well was dry) and three surface-water samples were analyzed for Resource Conservation and Recovery Act, Subtitle D, 40 Code of Federal Regulations 258, Appendix II compounds by Xenco Laboratories in Tampa, Florida. In addition, one shallow well was chosen at random for analysis of dioxins at the same laboratory. Groundwater-elevation measurements from the 13 monitoring wells indicate a radial groundwater direction, flowing outward from a high located near the southeastern portion of the Site.

Cadmium, lead, silver, and mercury were detected in the groundwater above FDEP groundwater cleanup target levels beneath and just beyond the periphery of the former landfill. In addition, mercury was detected in surface water from a borrow pit to the west of the former landfill and in a ditch south of the former landfill. Other target analytes for groundwater and surface water were below detection limits.

1.0 INTRODUCTION

This report presents the results of the groundwater and surface-water investigation conducted at the former Martin County Hobe Sound Landfill located at the intersection of County Road 708 (SE Bridge Road) and 138th Street in Hobe Sound, Florida (“the Site”). The landfill is classified as Class I. The investigation was conducted by LFR Levine-Fricke Inc. (LFR) for the Florida Department of Environmental Protection (FDEP) Site Investigation Section under Contract Number GW209, Task Assignment Number 6B.

The objective of the investigation was to evaluate whether former landfill activities have affected the groundwater quality at the Site and its vicinity. Field activities were conducted in February and March 2002.

2.0 SITE BACKGROUND

2.1 Site Description

Most of the former Hobe Sound Landfill lies within the northwest quarter of Section 31, Township 39 South, Range 42 East and a small portion lies in the northeast quarter of Section 36, Township 39 South, Range 41 East (Figure 1). The Site is located at 27°02’30” North latitude and 87°11’15” West longitude. The total size of the Site is approximately 109 acres; however, dumping was confined to approximately 20 to 30 acres in the southeastern portion of the Site.

Currently, a go-cart track (which appears to be inactive) and a model airplane flight area are located on top of the former landfill. The former landfill is covered with grass and surrounded by trees along the edges. The Site is almost completely surrounded by canals, ditches, borrow pits, or small water bodies. A cursory survey of the area around the Site indicated several residential homes along 138th Street, two commercial landscaping businesses, and agricultural land (Figure 2).

2.2 Site History

According to Mr. Patrick Graham (personal communication) of the Martin County Solid Waste Landfill Operations, the landfill was open for public dumping in the early 1960s when the public could drive into the Site and dispose of garbage in active dumping areas. The facility served as a Class I landfill for the community of Jupiter Island from the early 1960s through January 1, 1980.

The Martin County Solid Waste Department took over responsibility of the landfill in 1971 and organized the dumping into rectangular cells. The cells were created by excavating the shallow soil and filling the excavated area with trash. The trash was

burned weekly and the cells were covered with soil. Open burning was terminated in the early 1970s. The county created new rectangular cells monthly for additional space. Mr. Graham indicated that household garbage and light industrial/agricultural wastes were deposited in the southeastern portion of the Site just north of 138th Street (Figure 2). Yard waste was placed in an approximate 3- to 5-acre area along the eastern boundary of the Site, immediately west of the access road.

The Site became inactive on January 1, 1980. A closure plan was implemented that placed 2 feet of cover material over the landfill and seeded the area. The cover material was generated from the existing soil at the Site.

Currently, Martin County Transportation Department uses the Site area to park equipment and may occasionally remove soil from the borrow pits. However, the Site remains relatively inactive at this time, except for model airplane flying.

2.3 Previous Environmental Investigations and Potential Sources

As part of a groundwater-monitoring program at the Site, three monitoring wells (MW-1 through MW-3) were installed to 20 feet below ground surface (bgs) in late 1983 (Figure 3). These wells were reportedly sampled on a quarterly basis from December 1985 until January 11, 1999, when the monitoring was terminated. Groundwater samples from the monitoring wells were analyzed for Appendix I volatile organic compounds (VOCs) using United States Environmental Protection Agency (EPA) Method 8260, ethylene dibromide (EDB) and dibromochloropropane using EPA Method 504.1 or 8011, fecal coliform, redox potential, total alkalinity, chloride, color, fluoride, nitrate, odor, sulfate, total dissolved solids, ammonia, phenols, and 19 total metals. The final sample collection from the Site was performed by FDEP in January 1999. These samples were analyzed for semivolatile organic compounds (SVOCs) using EPA Method 8270, VOCs using EPA Method 8260, fluoride, nitrate, sulfate, ammonia, fumigants, and 18 metals.

Quarterly groundwater-monitoring reports were prepared by the Martin County Solid Waste Department and submitted to the FDEP district office. According to the January 1996 (Fourth Quarter) monitoring report, iron was detected in MW-1 (2.1 milligrams per liter [mg/l]), MW-2 (2.6 mg/l), and MW-3 (8.1 mg/l) above the 1994 FDEP secondary drinking water standards (Chapter 62-550, Florida Administrative Code [FAC]). Manganese (MW-3 at 0.11 mg/l) also exceeded the secondary drinking water standards.

Review of the July 1997 (Second Quarter) groundwater monitoring report indicated that metals, Appendix I VOCs, EDB, inorganic, and general chemistry compounds were not detected above the primary or secondary drinking water standards. Total dissolved solids (960 mg/l) were detected above the secondary drinking water standard of 500 mg/l in MW-3 during the July 1997 sampling event.

Laboratory results from the January 11, 1999 sampling event showed iron in MW-1 (1.49 mg/l), MW-2 (2.38 mg/l), and MW-3 (5.66 mg/l) above the secondary drinking water standard of 0.3 mg/l. Manganese was detected in MW-3 at 170 mg/l, which exceeds the secondary drinking water standard of 0.05 mg/l.

The three monitoring wells were abandoned in-place shortly after the last sampling event in January 1999.

3.0 SITE SETTING

Significant environmental conditions and media that would influence this site investigation are surface water and groundwater.

3.1 Hydrogeologic Framework

Martin County lies within the south-central part of peninsular Florida and is within the Atlantic Coastal Plain physiographic province that includes parts of the Atlantic Coastal Ridge, the Eastern Flatlands, and the Everglades. There are two major aquifers in Martin County—the shallow (non-artesian) aquifer and the Floridan (artesian) aquifer. The shallow aquifer is the principal source of fresh water in Martin County and is the focus of this investigation. It includes the Pamlico Sand, the Anastasia Formation, and portions of the Tamiami Formation. The shallow aquifer extends from the water table to approximately 150 feet bgs. This aquifer is composed principally of sand, but contains relatively thin beds or lenses of limestone, sandstone, or shell, which are generally more permeable than the sand.

Three direct-push soil-lithology borings were conducted during the installation of monitoring wells MW001, MW002, and MW003 at the Site in February 2002 (Figure 3). These borings show mostly well sorted sand beneath the former landfill with a layer of refuse, including glass and wood shards, generally encountered between 6 and 16 feet bgs. Figure 4 is a cross-section from MW001 to MW002. Lithology logs recorded for the three soil borings are presented in Appendix A.

Three surface-water bodies are located at the Site—one to the north, one to the east-northeast, and one to the west of the former landfill location. Due to the shallow nature of the groundwater and the surrounding surface water at the Site, some surface/groundwater interaction is probable.

3.2 Groundwater Flow Characteristics

Thirteen monitoring wells were installed by LFR at the Site during this field phase. Table 1 presents monitoring well construction details. Groundwater elevations were measured on February 21 and March 7, 2002, from each of the wells (MW001 through MW013). The depths to groundwater were subtracted from the top-of-casing (TOC) elevations to determine the groundwater elevations. Table 2 presents groundwater

elevation data, and Figure 5 illustrates groundwater flow directions at the former landfill for the shallow aquifer.

Groundwater elevations indicate that the flow direction in the shallow groundwater zone beneath the former landfill to be radial, away from a high centered near MW005. Groundwater flow direction to the east and southeast of the landfill is unknown because of insufficient data. The groundwater gradient is relatively flat in the area.

3.3 Groundwater Usage

Drinking water in this portion of Martin County is obtained from small-diameter, private shallow wells producing from the sand and shell zones of the Anastasia Formation approximately 70 to 100 feet bgs (Patrick Graham, personal communication). According to Mr. Graham, city water hookups are available about 1 to 2 miles east of the former landfill.

4.0 FIELD PROGRAM

4.1 Direct-Push Monitoring Well Installation

Thirteen 2-inch-diameter wells (MW001 through MW013) were installed using direct-push techniques February 18 through 21, 2002 (Table 1). Ten of the monitoring wells were installed at the former landfill to approximately 15 to 20 feet bgs with 10 feet of Shumasoil™ screen and Schedule 40 polyvinyl chloride (PVC) riser to just below ground surface. Eight of these shallow monitoring wells were installed at the boundaries, and two wells were installed near the center of the former landfill (Figure 3).

Two deeper monitoring wells were installed to a depth of 30 feet bgs near the center of the former landfill (Figure 3). The deeper wells were constructed using 2-inch-diameter PVC riser threaded to 5 feet of 2-inch-diameter Shumasoil™ screen.

One shallow monitoring well (MW013) was installed to 20 feet bgs with 10 feet of Shumasoil™ screen in the eastern central portion of the Site that reportedly accepted yard waste (Figure 3). This well was installed and completed similarly to the other shallow monitoring wells.

Wells were installed with a grout seal placed 2 feet bgs, and a 2-foot by 2-foot concrete pad around a flush-mounted, 8-inch bolt-down well-box. Table 1 presents the monitoring well completion data. Well construction logs of the monitoring wells are presented in Appendix A.

Standard surveying techniques were employed to establish the TOC elevations of the 13 monitoring wells. Well elevations were established from an arbitrary elevation of 20 feet above sea level.

4.2 Groundwater and Surface-Water Sampling

Groundwater was sampled from all monitoring wells and one irrigation well on March 7 and 8, 2002. Due to a lack of sufficient volume of groundwater, no sample was collected from MW008. The monitoring wells were purged using a peristaltic pump and high-density polyethylene tubing until at least three volumes of water were evacuated, and groundwater temperature, pH, and specific conductivity parameters stabilized to within the LFR Comprehensive Quality Assurance Plan (CompQAP) Number 910003 (revised December 2000). Groundwater sampling parameters are presented in Table 3.

Groundwater samples were collected from each monitoring well using the peristaltic pump and high-density polyethylene tubing for all analytes, except volatile organics, which were sampled using the “straw” method before the roller head of the pump. The irrigation well sample was purged by allowing the well pump to run several minutes to evacuate several well-casing volumes and by collecting the groundwater sample from the spigot.

Three surface-water samples were collected from locations near the shore of the borrow pit (SW-1 and SW-2), near the former landfill, and in a drainage ditch (SW-3) south of 138th Street (Figure 3). Samples containing no preservative were collected directly into sample bottles by submerging the container into the water. Sample containers with preservative were filled by submerging a container without preservative into the water and filling the preserved containers from that container.

Each groundwater and surface-water sample was collected in two 40-milliliter glass vials preserved with hydrochloric acid for volatile organics; four 32-ounce (oz.), amber bottles with no preservative for SVOCs and pesticides; one 32-oz. plastic bottle preserved with sodium hydroxide for cyanide; one 16-oz. plastic bottle preserved with nitric acid for metals; and one 16-oz. plastic bottle with no preservative for sulfide.

All bottles were labeled and stored on wet ice. Samples were packed and shipped under chain-of-custody to Xenco Laboratories in Tampa, Florida. Sampling was performed according to LFR standard operating procedures and the LFR CompQAP.

5.0 SAMPLING RESULTS

Groundwater samples were collected from 12 monitoring wells (MW001 through MW007 and MW009 through MW013) and from one irrigation well (PW-1) located just northeast of the former landfill area (MW008 was dry). One duplicate sample of MW003 was also collected and analyzed. The groundwater samples were analyzed for

Resource Conservation and Recovery Act (RCRA), Subtitle D, 40 Code of Federal Regulations 258, Appendix II compounds.

Appendix II compounds include:

- metals (17) using EPA Methods 200.8 and 6020
- cyanide using EPA Method 335.2
- sulfide using EPA Method 376.2
- VOCs (60 analytes) using EPA Method 8260
- SVOCs (103 analytes) using EPA Method 8270
- organochlorine pesticides (28 analytes) using EPA Method 8081
- chlorinated herbicides (3 analytes) using EPA Method 8151
- organophosphorus pesticides (9 analytes) using EPA Method 8141

In addition, monitoring well MW003 was chosen at random for screening of dioxins/furans (using EPA Method 8280) because burning activities occurred at the Site. Surface-water samples were collected from three locations and analyzed for the RCRA Appendix II compounds analyzed for groundwater. A comprehensive list of the RCRA Appendix II compounds is included in Appendix B.

Metals (including lead, mercury, cadmium, silver, and zinc) were detected in groundwater samples collected from monitoring wells MW001 through MW003, MW005, and MW009 through MW012, and the irrigation well (PW-1). Levels of mercury were above the FDEP groundwater cleanup target goal (GTCL; Chapter 62-777, FAC) of 2 µg/l in the four monitoring well samples where it was detected—MW001 (13.3 µg/l), the duplicate of MW003 (16.1 µg/l), MW010 (8.9 µg/l), and MW012 (2.2 µg/l). Cadmium was above the GTCL of 5 µg/l in MW001 at a concentration of 6 µg/l. Lead concentrations were detected above the GTCL of 15 µg/l in three wells—MW005 (51 µg/l), MW009 (52 µg/l), and MW012 (79 µg/l). Silver was detected above the GCTL of 100 µg/l in the duplicate MW003 sample (at a concentration of 159 µg/l), but was below the detection limit for the primary sample. Other metals were below detection limits in the monitoring well samples. Chlorobenzene was detected in MW007 (7.0 µg/l), MW009 (10.0 µg/l), and MW010 (20.0 µg/l), but the detections of chlorobenzene were below the GCTL of 100 µg/l. Other analyzed compounds were below detection limits in the monitoring wells. Table 4 presents the results of the detected compounds for the groundwater samples. Figure 6 illustrates the concentrations of compounds detected in the groundwater from monitoring and irrigation wells. The laboratory analytical data and chain-of-custody forms are presented in Appendix B.

Mercury was detected in two surface-water samples (SW-1 and SW-3) at levels above the FDEP surface water cleanup target level (SWCTL) of 0.012 µg/l (Chapter 62-302, FAC). No other metals were detected in the surface-water samples. Bis-(2-ethylhexyl) phthalate was detected in SW-1 above its SWCTL of 0.02 µg/l at a concentration of

15 µg/l. Other analyzed compounds were below detection limits in the surface-water samples. Table 5 presents a summary of the analytical results for the surface-water samples. The laboratory analytical data and chain-of-custody forms are presented in Appendix B.

A quality assurance/quality control (QA/QC) validation review of the laboratory data was performed by LFR. No QA/QC issues were noted from this review.

6.0 SUMMARY AND CONCLUSIONS

Based on groundwater results from beneath and just beyond the former Class I landfill located in the southeast portion of the Site, metals are the primary contaminants of concern. Lead and mercury were detected in concentrations significantly above respective GTCLs in several monitoring wells completed to various depths and located throughout and outside the former landfill area. Cadmium is detected in only one monitoring well (just above the FDEP GTCL). Silver was detected in a duplicate sample of MW003, but the primary sample was below the detection limit. Analyzed compounds were below detection limits in the monitoring well located at the landfill that received yard waste (MW013). A surface-water sample from the borrow pond to the west of the former landfill (SW-1) and a surface-water sample from a drainage ditch to the south of the landfill (SW-3) show a concentrations of mercury above the SWCTL.

Analytical results and radial groundwater-flow direction observed from the current monitoring-well network at the southeast portion of the Site indicate that the contaminants of concern have emanated from the former landfill. The lack of lower permeability silts or clay (hence, little to no retardation) at the Site may have facilitated the migration of the metals to and beyond the boundary of the former landfill by shallow groundwater pathway. It is uncertain whether the surface-water sample from the ditch south of the landfill (SW-3) is a representation of groundwater from the Site.

7.0 RECOMMENDATIONS

Groundwater and surface-water laboratory results indicate that mercury and lead detected in the groundwater beneath the former landfill are present beyond the boundaries of the former landfill area. In order to confirm the previous groundwater sampling results and evaluate the potential presence of metals beyond the Site, LFR is recommends that:

- monitoring wells MW001, MW003, MW005, MW009, MW010, and MW012 be sampled for Priority Pollutant List (PPL) metals to collect a set of confirmatory analysis for metals at the former landfill

- water levels from MW001 through MW013 be collected and two staff gauges be erected to the north and west of the former landfill for surface-water level measurements to evaluate surface-water/groundwater interactions
- three or four sediment samples be collected for PPL metals from near shore at the borrow pits to the north and west of the former landfill (This sampling will evaluate whether sediments in the borrow pits have been affected by contaminants of concern.)
- install three or four shallow monitoring wells (screened from 10 to 20 feet bgs) southeast of the former landfill (southeast of MW005) and south of 138th Street and sample these wells for PPL metals (These monitoring wells will evaluate the potential that contaminants of concern found at the Site may affect shallow groundwater in the area to the south and southeast of the former landfill.)
- Conduct a survey of potable wells in the vicinity and evaluate whether sampling these wells is necessary.

REFERENCES

- Florida Department of Environmental Protection. 1994. Florida Administrative Code. Drinking Water Standards, Monitoring, and Reporting, Chapter 17-550.550.
- . 1999a. report of final sampling event at Hobe Sound Landfill. February 12.
- . 1999b. Florida Administrative Code. Chapters 62-302 and 62-777.
- Florida Department of Transportation. 1966, 1974, 1984, and 2000. aerial photographs.
- Graham, Patrick. 2001. Martin County Solid Waste Landfill Operations. personal communication.
- LFR Levine-Fricke. 1991 (revised December 2000). Comprehensive Quality Assurance Plan Number 910003. Tallahassee, Florida.
- Martin County Solid Waste Department. 1996. Fourth Quarter Groundwater Monitoring Report.
- . 1997. Second Quarter Groundwater Monitoring Report. August 14.

Table 1
Monitoring Well Construction Data
Former Hobe Sound Landfill
Hobe Sound, Florida

Monitoring Well ID	Total Depth (feet bgs)	Screened Interval (feet bgs)	Well Diameter (inches)	Date Installed	Installed By
MW001	28.8	23.8-28.8	2	2/19/02	LFR
MW002	29.3	24.3-29.3	2	2/19/02	LFR
MW003	15.4	5.4-15.4	2	2/19/02	LFR
MW004	19.2	9.2-19.2	2	2/20/02	LFR
MW005	14.6	4.6-14.6	2	2/20/02	LFR
MW006	17.4	7.4-17.4	2	2/20/02	LFR
MW007	19.7	9.7-19.7	2	2/20/02	LFR
MW008	16.5	6.5-16.5	2	2/21/02	LFR
MW009	17.3	7.3-17.3	2	2/20/02	LFR
MW010	15.4	5.4-15.4	2	2/21/02	LFR
MW011	19.3	9.3-19.3	2	2/21/02	LFR
MW012	15.3	5.3-15.3	2	2/21/02	LFR
MW013	15.2	5.2-15.2	2	2/21/02	LFR
PW-1	75	NA	2	NA	NA

Notes:

The casing material for monitoring wells presented is polyvinyl chloride.

bgs = below ground surface

Table 2
Groundwater Elevation Data
Former Hobe Sound Landfill
Hobe Sound, Florida

Monitoring Well ID	Date	Top-of-Casing Elevation	Depth to Groundwater (feet BTOC)	Groundwater Elevation
MW001	2/21/02	20.74	13.06	7.68
	3/7/02		12.99	7.75
MW002	2/21/02	23.45	15.71	7.74
	3/7/02		15.68	7.77
MW003	2/21/02	20.12	11.85	8.27
	3/7/02		12.13	7.99
MW004	2/21/02	21.60	13.91	7.69
	3/7/02		13.86	7.74
MW005	2/21/02	20.58	12.28	8.30
	3/7/02		12.06	8.52
MW006	2/21/02	20.80	13.09	7.71
	3/7/02		13.30	7.50
MW007	2/21/02	18.87	11.13	7.74
	3/7/02		11.12	7.75
MW008	2/21/02	24.32	DRY	DRY
	3/7/02		16.45	7.87
MW009	2/21/02	23.45	14.41	9.04
	3/7/02		15.55	7.90
MW010	2/21/02	17.00	9.21	7.79
	3/7/02		9.13	7.87
MW011	2/21/02	18.90	11.21	7.69
	3/7/02		11.20	7.70
MW012	2/21/02	20.86	12.71	8.15
	3/7/02		13.01	7.85
MW013	2/21/02	11.45	2.95	8.50
	3/7/02		2.56	8.89

Note:

BTOC = below top of casing

Table 3
Groundwater Sampling Field Parameters
March 7, 2002
Former Hobe Sound Landfill
Hobe Sound, Florida

Monitoring Well ID	Temperature (°C)	pH (standard units)	Conductivity (µS/cm)	DO (ppm)	Turbidity (NTU)
MW001	26.0	6.48	2,570	1.09	14.93
MW002	25.2	6.50	575	1.45	12.49
MW003	23.3	6.40	1,282	1.06	11.55
MW004	24.0	6.56	4,468	0.51	15.12
MW005	24.6	6.53	1,199	0.36	106
MW006	25.1	6.50	2,128	0.64	8.85
MW007	25.7	6.54	1,509	1.35	22.3
MW008	NS	NS	NS	NS	NS
MW009	25.4	6.47	1,446	0.21	162
MW010	25.5	6.41	1,198	0.6	19.4
MW011	25.8	6.56	1,119	0.17	16.9
MW012	24.0	6.71	1,299	0.2	140
MW013	24.5	7.20	546	0.39	43.8
PW-1	25.0	7.21	961	3.08	6.87

Notes:

°C = degrees Celsius

DO = dissolved oxygen

µS/cm = microsiemens per centimeter

ppm = parts per million

NTU = Nephelometric Turbidity Units

NS = not sampled

Table 4
Laboratory Data for Groundwater Samples
Former Hobe Sound Landfill
Hobe Sound, Florida

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Constituents	Groundwater Cleanup Target Levels	Sample ID / Point ID / Depth (feet bgs) / Date Collected / Date Analyzed													
		MW001	MW002	MW003	DUP-A	MW004	MW005	MW006	MW007	MW009	MW010	MW011	MW012	MW013	PW-1
		MW001 30 3/7/02 3/14/02	MW002 30 3/7/02 3/14/02	MW003 15 3/7/02 3/14/02	DUP-A DUP-A 15 3/7/02 3/14/02	MW004 20 3/7/02 3/14/02	MW005 15 3/7/02 3/14/02	MW006 20 3/7/02 3/14/02	MW007 20 3/8/02 3/14/02	MW009 16 3/8/02 3/14/02	MW010 20 3/8/02 3/14/02	MW011 20 3/8/02 3/14/02	MW012 16 3/8/02 3/14/02	MW013 16 3/8/02 3/14/02	PW-1 75 3/8/02 3/14/02
Metals*															
Cadmium	5	6	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Lead	15	< 5	< 5	< 5	< 5	< 5	51	< 5	< 5	52	< 5	< 5	79	< 5	< 5
Mercury	2	13.3	< 1.0	< 1.0	16.1	< 1.0	< 1.0	< 1.0	< 1.0	1.7	8.9	< 1.0	2.2	< 1.0	1.7
Silver	100	< 50	< 50	< 50	159	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Zinc	5,000	98	92	265	221	< 50	140	< 50	< 50	429	73	378	374	< 50	204
Volatile Organic Compounds**															
Chlorobenzene	100	< 5	< 5	< 5	< 5	< 5	< 5	< 5	7	10	20	< 5	< 5	< 5	< 5

Notes:

Analyses were performed by Xenco Laboratories in Tampa, Florida.

DUP-A was collected from MW003.

Data is reported in micrograms per liter.

Other target analytes were below detection limits.

* Metal analyses performed using United States Environmental Protection Agency (EPA) Method 200.8.

** Volatile organic compound analyses performed using EPA Method 8260.

bgs = below ground surface

Table 5
Laboratory Data for Surface-Water Samples
Former Hobe Sound Landfill
Hobe Sound, Florida

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Constituents	Surface Water Cleanup Target Level	Sample ID / Point ID / Depth (feet bgs) / Date Collected / Data Analyzed		
		SW-1	SW-2	SW-3
		SW-1	SW-2	SW-3
		Surface	Surface	Surface
		3/8/002	3/8/02	3/8/02
		3/14/02	3/14/02	3/14/02
Metals*				
Cadmium	N/A	< 3	< 3	< 3
Lead	N/A	< 5	< 5	< 5
Mercury	0.012	5.0	< 1.0	3.3
Zinc	N/A	< 50	< 50	< 50
Semivolatile Organic Compounds**				
Bis(2-ethylhexyl) phthalate	0.02	15	< 10	< 10

Notes:

Analyses were performed by Xenco Laboratories in Tampa, Florida.

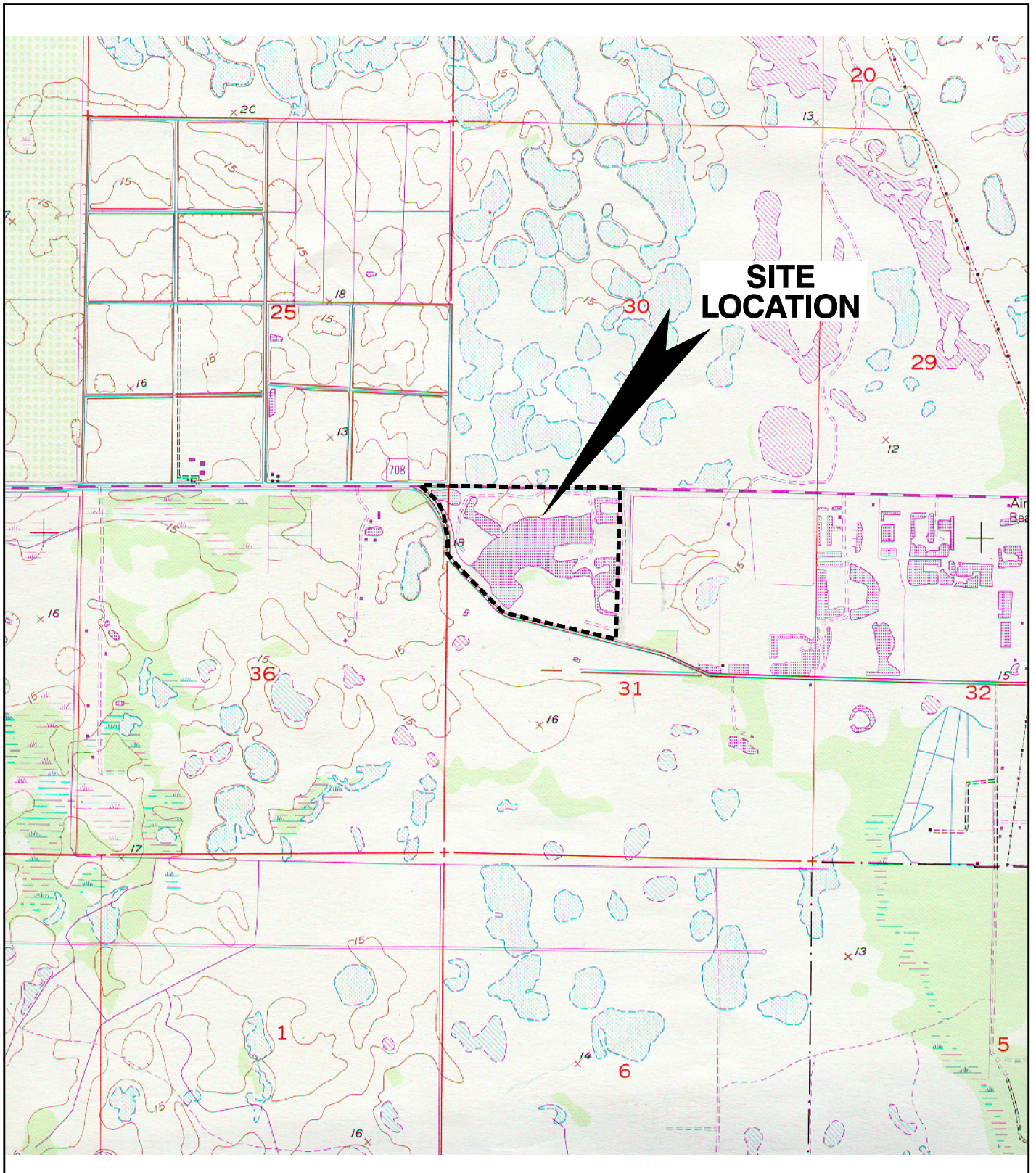
Data is reported in micrograms per liter.

Other target analytes were below detection limits.

* Metal analyses performed using United States Environmental Protection Agency (EPA) Method 200.8.

** Semivolatile organic compound analyses performed using EPA Method 8270.

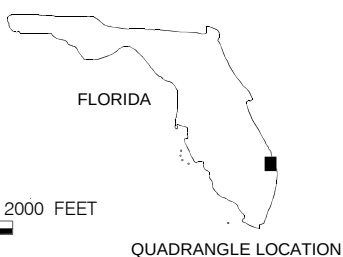
bgs = below ground surface



Source: USGS 7.5 Minute Quadrangle
Gomez, Florida Revised 1983.



0 2000 FEET
Scale 1"=2000'



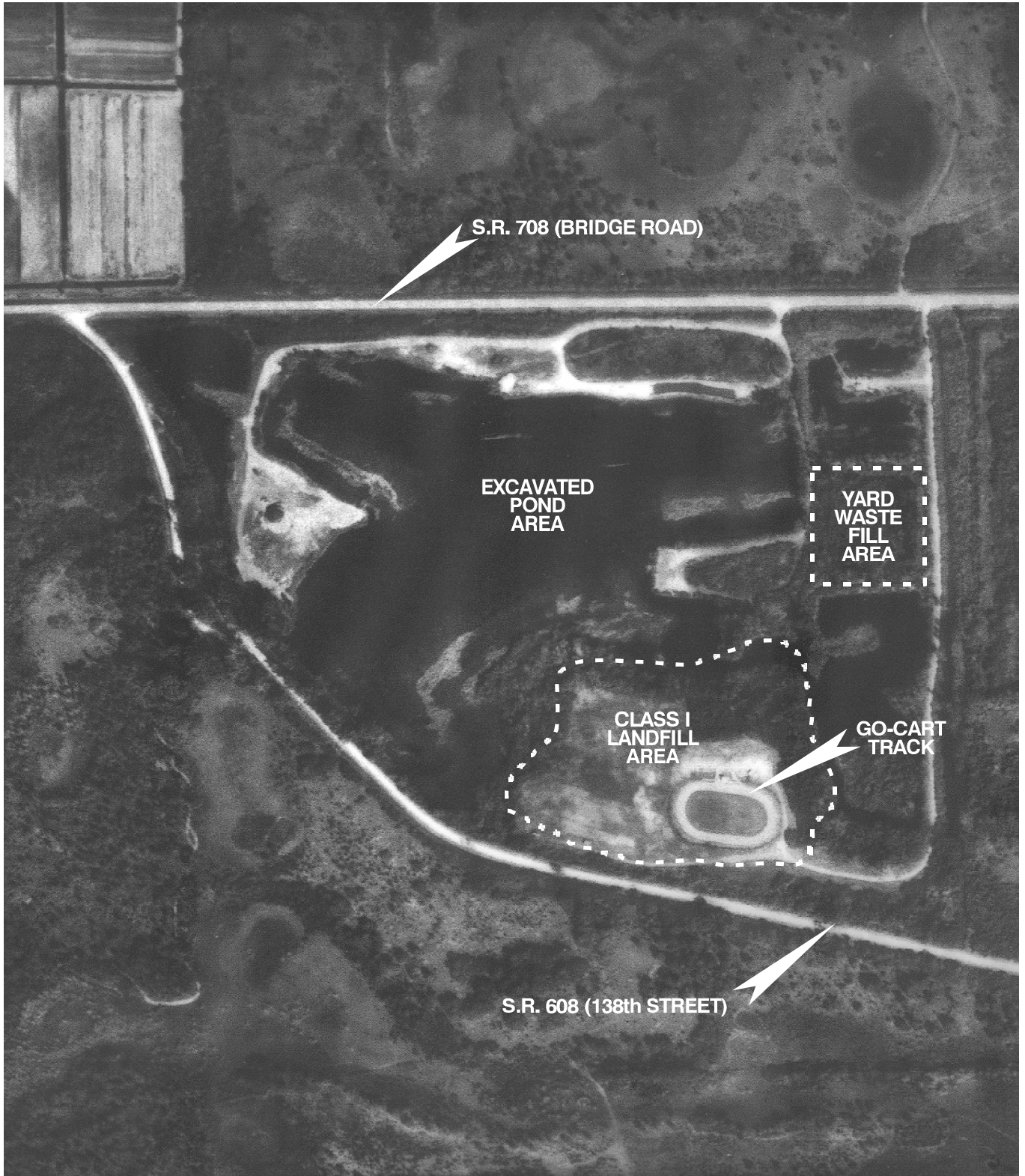
QUADRANGLE LOCATION

Site Location Map **Former Hobe Sound Landfill** **Bridge Road** **Hobe Sound, Florida**



Project No. 6055.01

Figure 1



Source: FDOT Aerial photo February 5, 2000
PD 4696-16-07.



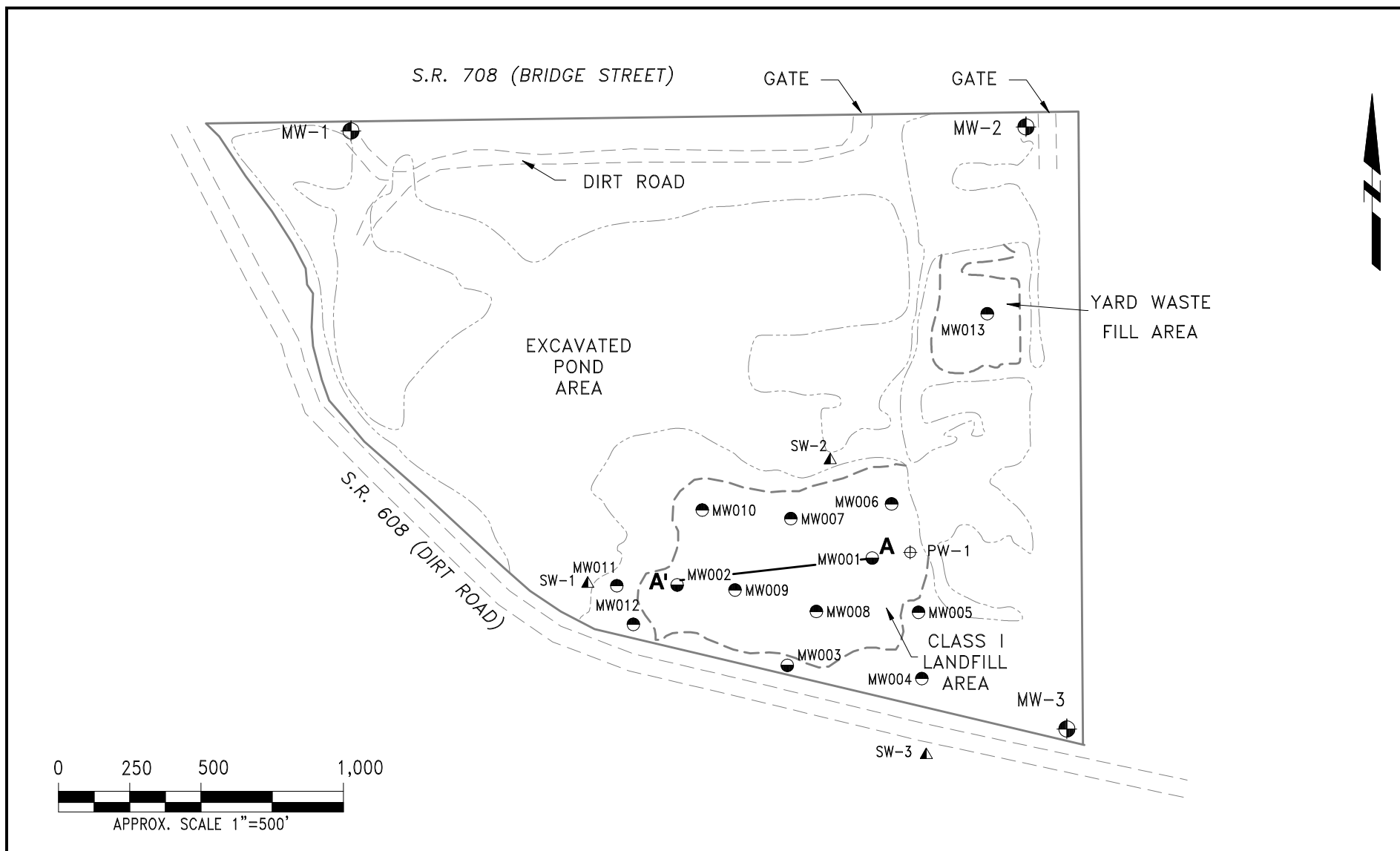
0 50 FEET
Approx. Scale 1"=50'

Site Vicinity Map
Former Hobe Sound Landfill
Bridge Road
Hobe Sound, Florida



Project No. 6055.01

Figure 2



SOURCE: ADAPTED FROM ARRIBAS ENGINEERS INC.

LEGEND

- | | | | |
|------|-------------------------------|--------|---------------------------------|
| MW-1 | ABANDONED MONITORING WELL | --- | FORMER LANDFILL BOUNDARY |
| ● | SHALLOW MONITORING WELL | - - - | POND SHORELINE |
| ● | DEEP MONITORING WELL | A — A' | GEOLOGIC CROSS-SECTION LOCATION |
| ▲ | SURFACE WATER SAMPLE LOCATION | | |
| PW-1 | IRRIGATION WELL | | |

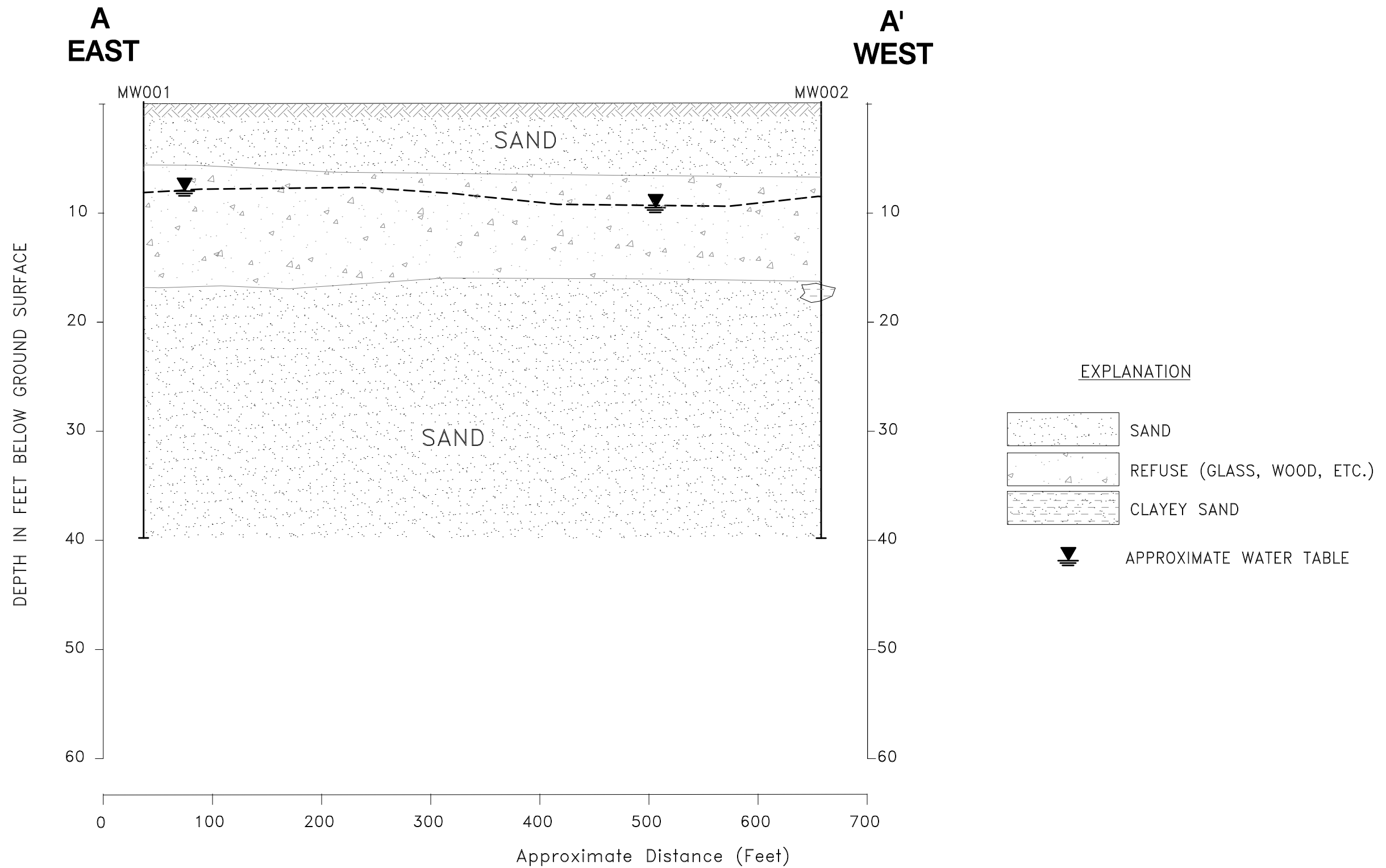
**Sampling Locations
Former Hobe Sound Landfill
Bridge Road
Hobe Sound, Florida**



Project No. 6055.01

Figure 3

CADARFC\6055\6055BASE\WDW\05-02-02



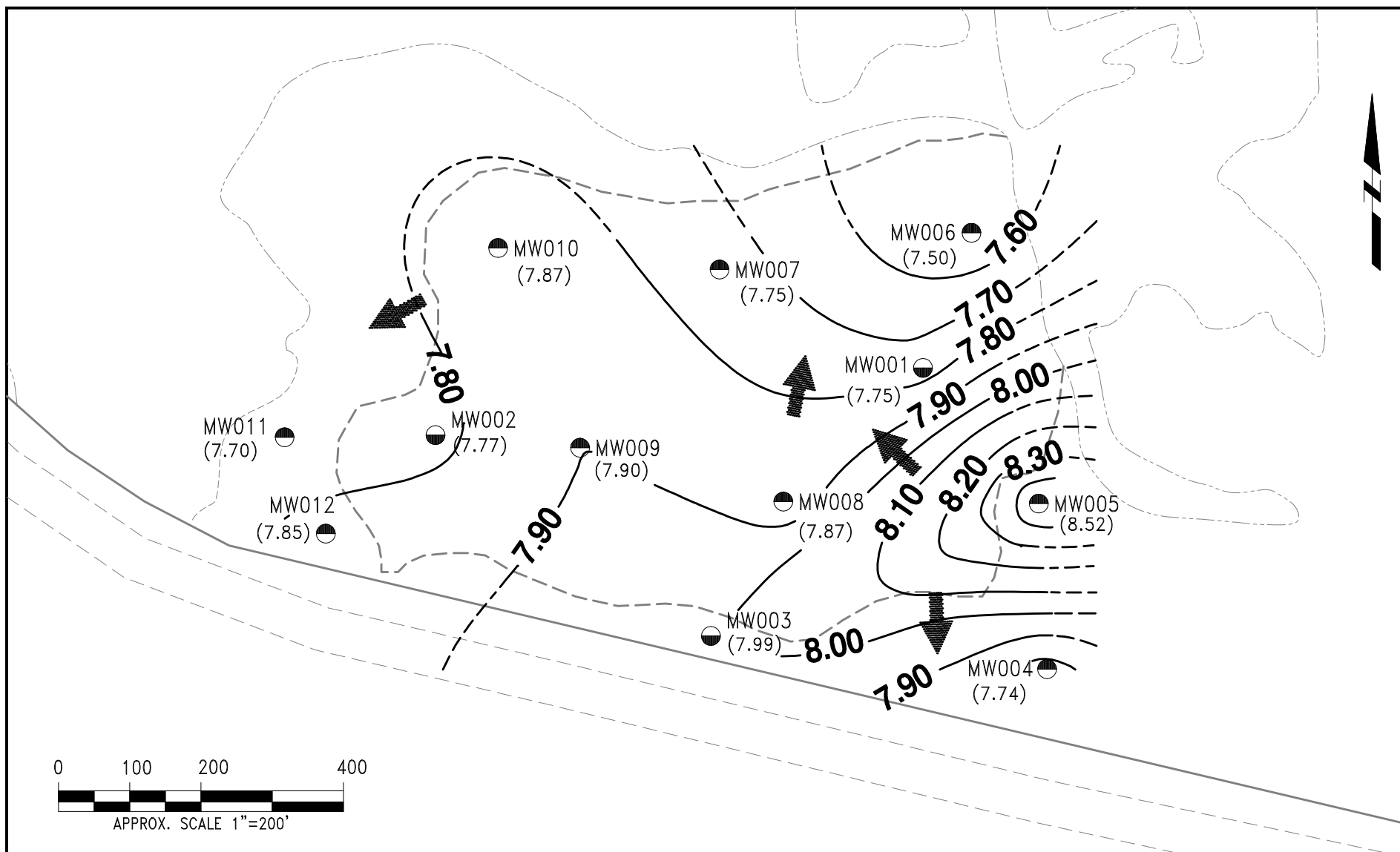
SCALE AS SHOWN

**Generalized Geologic Cross-Section
Transect A-A'
Former Hobe Sound Landfill
Bridge Road
Hobe Sound, Florida**



Figure 4

Project No. 6055.01



0 100 200 400
APPROX. SCALE 1"=200'

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- (7.50) GROUNDWATER ELEVATION (FEET)
- 8.00 GROUNDWATER ELEVATION CONTOUR (FEET)
CONTOUR INTERVAL = 0.10 FOOT
DASHED DENOTES INFERRED CONTOUR
- ← GROUNDWATER FLOW DIRECTION

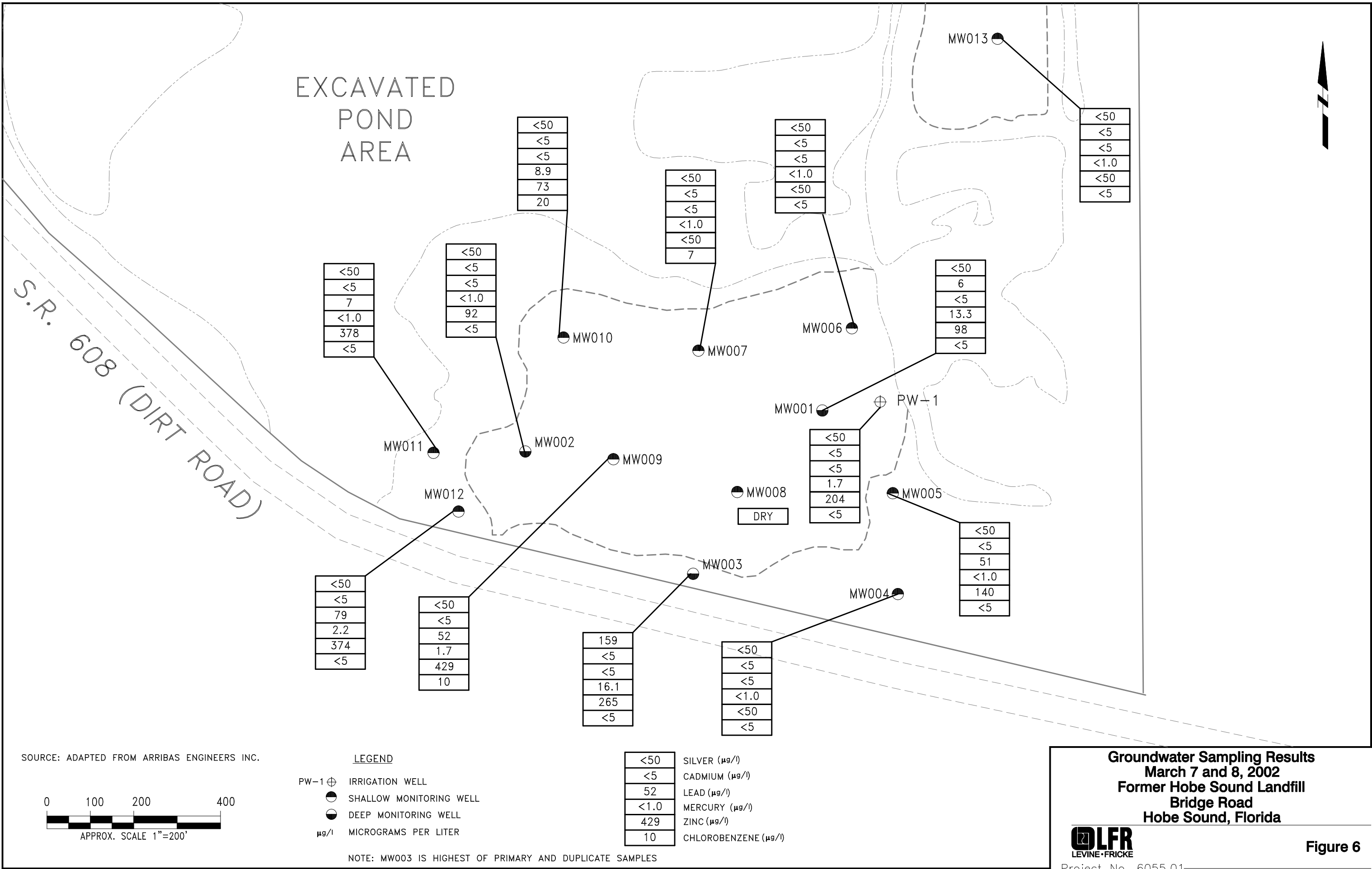
SOURCE: ADAPTED FROM ARRIBAS ENGINEERS INC.

Groundwater Elevation Contour Map
March 7, 2002
Former Hobe Sound Landfill
Bridge Road
Hobe Sound, Florida

LF
LEVINE • FRICKE
 Project No. 6055.01

Figure 5

C:\ADARPC\6055\6055BASE\WDW\05-02-02



SOURCE: ADAPTED FROM ARRIBAS ENGINEERS INC.

LEGEND

- PW-1 ⊕ IRRIGATION WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- μg/l MICROGRAMS PER LITER

NOTE: MW003 IS HIGHEST OF PRIMARY AND DUPLICATE SAMPLES

Groundwater Sampling Results
March 7 and 8, 2002
Former Hobe Sound Landfill
Bridge Road
Hobe Sound, Florida

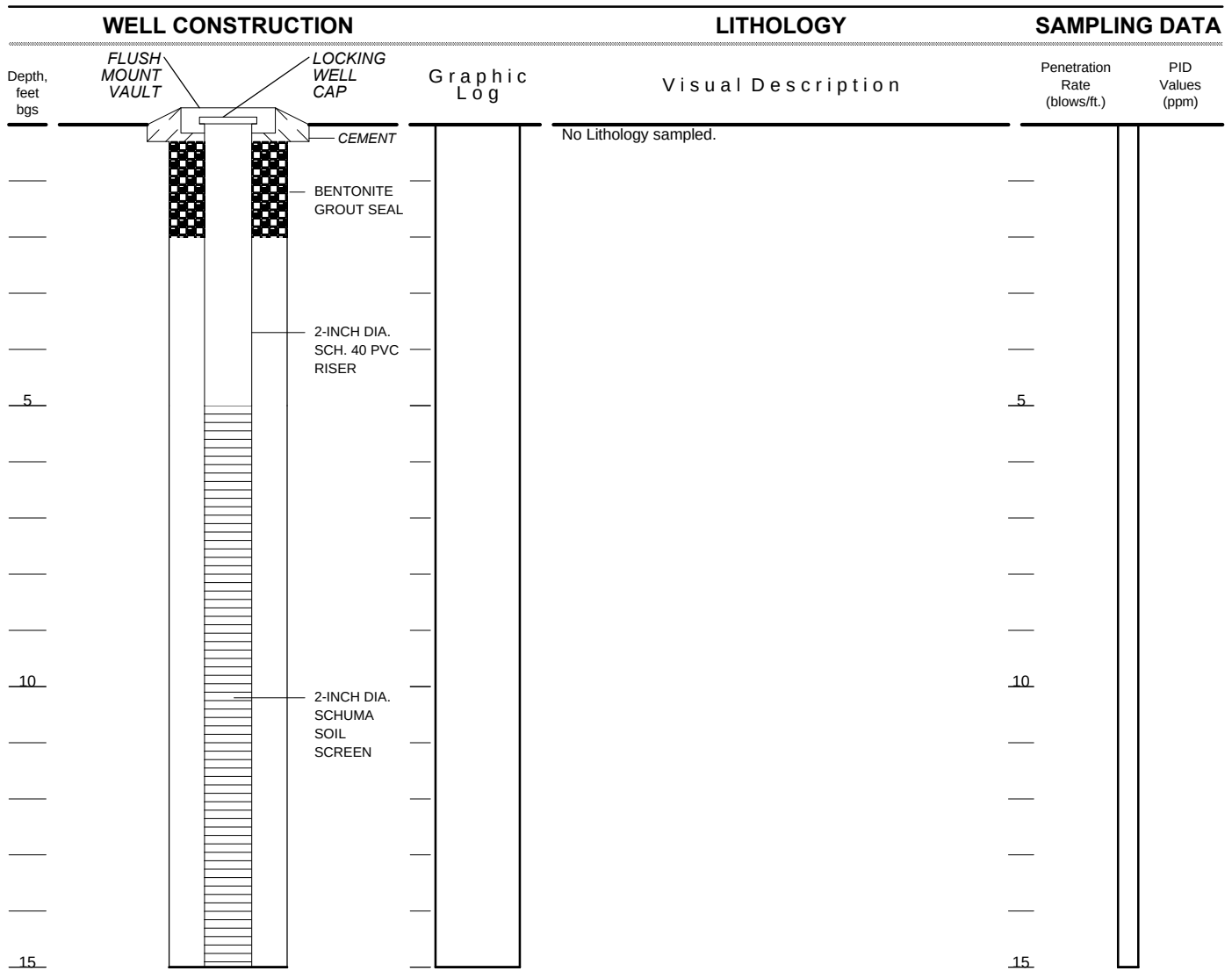


Figure 6

Project No. 6055.01

Appendix A

Monitoring Well Construction Logs and Direct-Push Lithology Logs



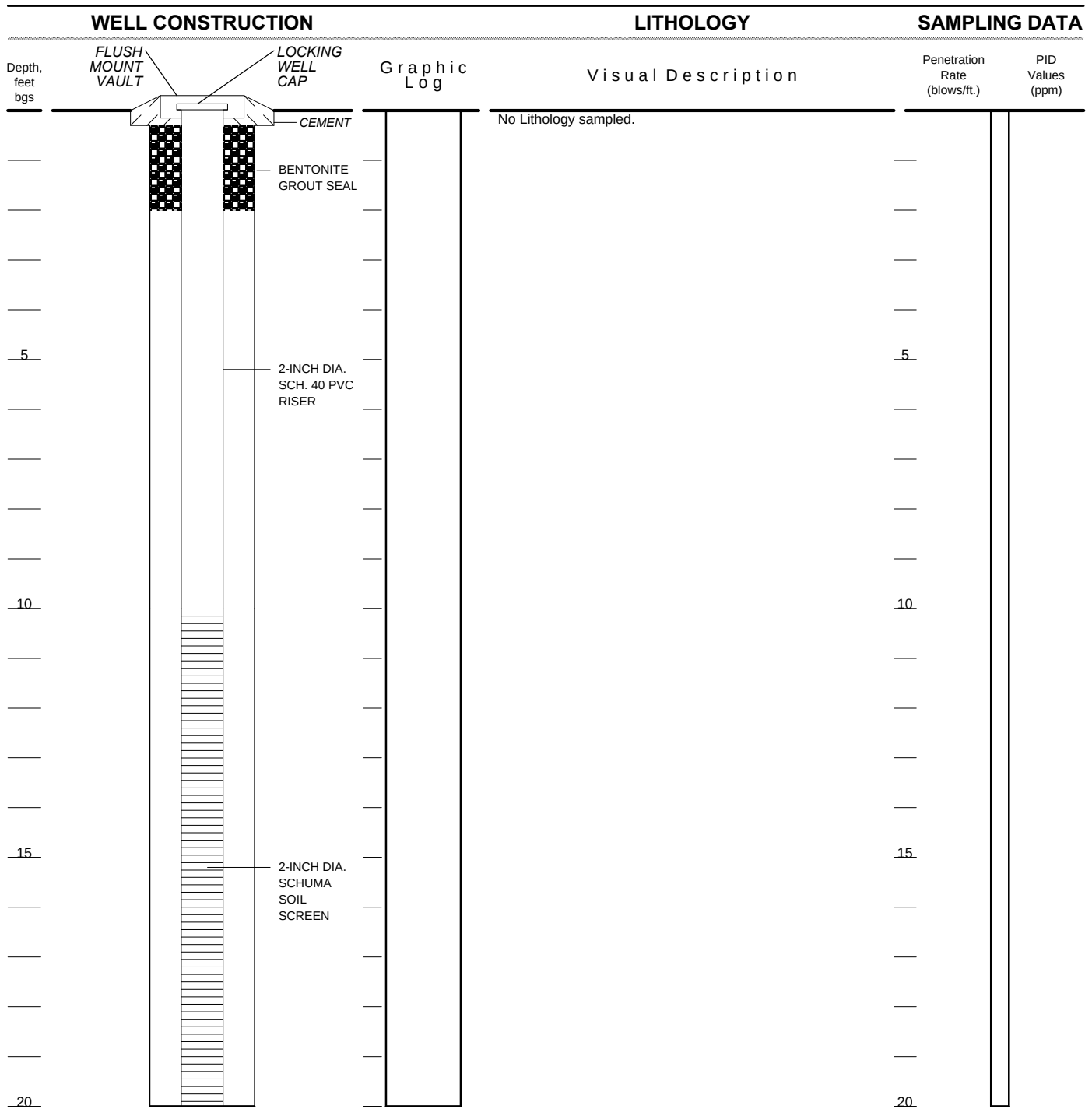
Date well drilled: 2/19/02
 LFR Geologist/Engineer: Megan Morsey

EXPLANATION		
	Clay	Fill
	Silt	Interval Sampled and Retained
	Sand	bgs - Below Ground Surface
	Gravel	PID - Photo Ionization Detector
	Limestone	

TYPICAL WELL CONSTRUCTION FOR 15 FOOT MONITORING WELL

Project No. 6055.01
 Former Hobe Sound Landfill

LFR Levine-Fricke



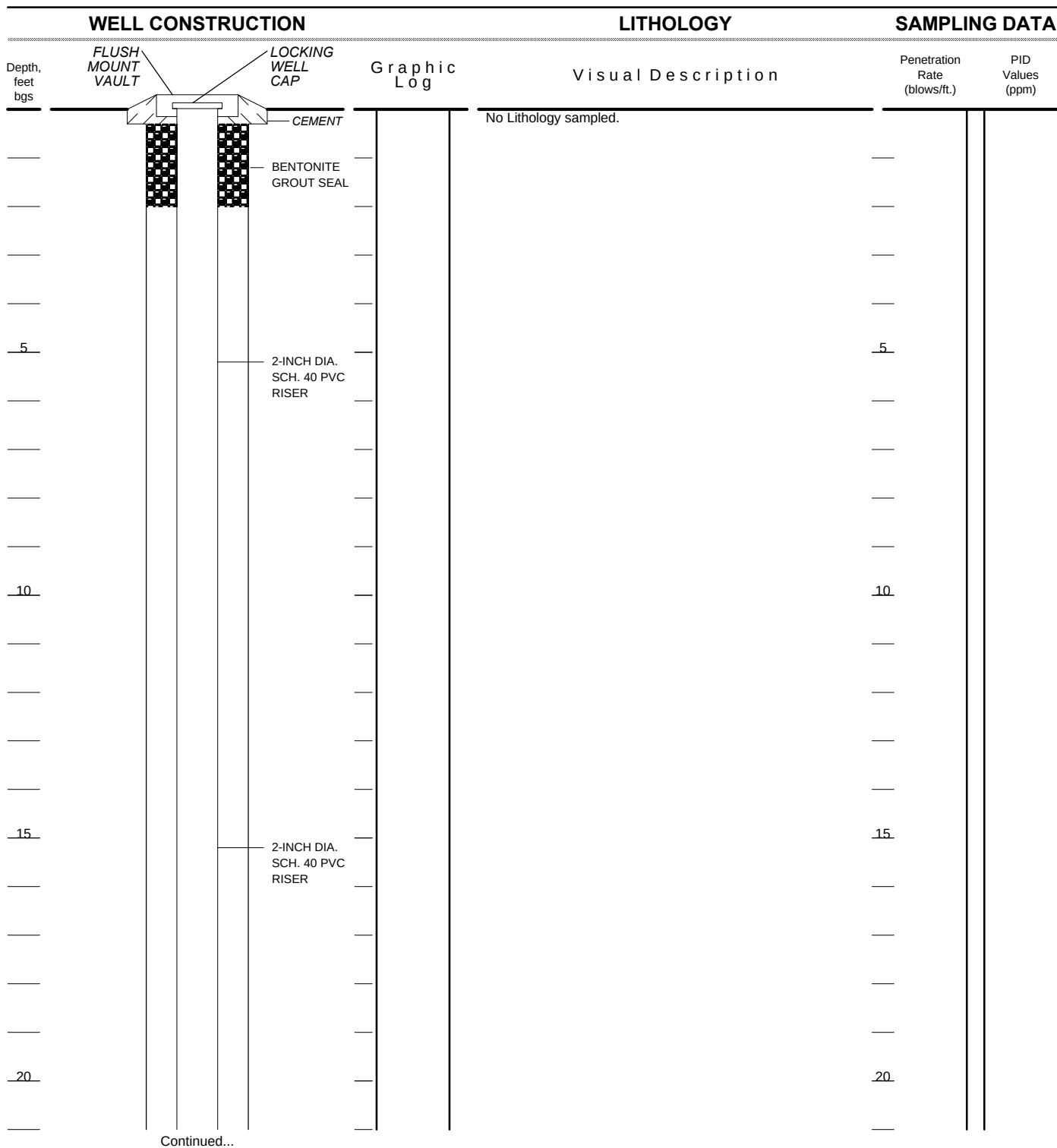
Date well drilled: 2/19/02
 LFR Geologist/Engineer: Megan Morsey

EXPLANATION		
	Clay	Fill
	Silt	Interval Sampled and Retained
	Sand	
	Gravel	bgs - Below Ground Surface
	Limestone	PID - Photo Ionization Detector

TYPICAL WELL CONSTRUCTION FOR 20 FOOT MONITORING WELL

Project No. 6055.01
 Former Hobe Sound Landfill

LFR Levine-Fricke



Date well drilled: 2/19/02
 LFR Geologist/Engineer: Megan Morsey

EXPLANATION			
	Clay		Fill
	Silt		Interval Sampled and Retained
	Sand		
	Gravel		
	Limestone		
		bgs - Below Ground Surface	
		PID - Photo Ionization Detector	

TYPICAL WELL CONSTRUCTION FOR 30 FOOT MONITORING WELL

WELL CONSTRUCTION			LITHOLOGY	SAMPLING DATA	
Depth, feet bgs	Continued	Graphic Log	Visual Description	Penetration Rate (blows/ft.)	PID Values (ppm)
—				—	
—				—	
—				—	
25				25	
—				—	
—				—	
—				—	
—				—	
30				30	

2-INCH DIA.
SCHUMA
SOIL
SCREEN

EXPLANATION



Clay
Silt
Sand
Gravel
Limestone



Fill

Interval Sampled
and Retained

bgs - Below Ground Surface

PID - Photo Ionization Detector

Date well drilled: 2/19/02

LFR Geologist/Engineer: Megan Morsey

WELL CONSTRUCTION AND LITHOLOGY FOR MONITORING WELL 30 FOOT MONITORING WELL (CONTINUED)

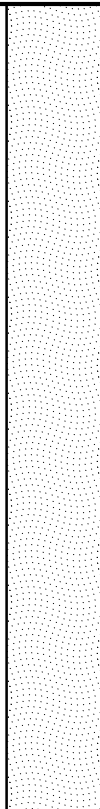
Project No. 6055.01
Former Hobe Sound Landfill

LFR Levine-Fricke

EXPLANATION

	Clay		Fill
	Silt		Interval Sampled and Retained
	Sand		
	Gravel		
	Limestone		

bgs - Below Ground Surface
PID - Photo Ionization Detector

LITHOLOGY			SAMPLING DATA		
Depth, feet bgs	Graphic Log	Visual Description Continued	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID Value (ppm)
— — — — <u>30</u> — — — — — <u>35</u> — — — — <u>40</u>		Sand (SP), as above, brownish gray (10YR 7/3) Sand (SP), color varies, includes brown (10YR 5/4), and dark brown (10YR 4/4), medium grained, quartz, well sorted, loose Total depth of boring at 40' bgs	— — — — <u>30</u> — — — — — <u>35</u> — — — — <u>40</u>		

Sand (SP), as above, brownish gray (10YR 7/3)

Sand (SP), color varies, includes brown (10YR 5/4), and dark brown (10YR 4/4), medium grained, quartz, well sorted, loose

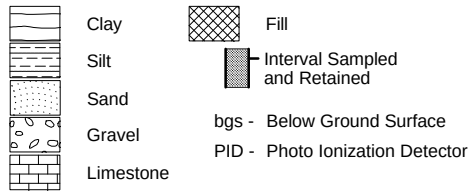
Date boring drilled: 2/19/02
LFR Geologist/Engineer: Megan Morsey

EXPLANATION		
	Clay	 Fill
	Silt	 Interval Sampled and Retained
	Sand	bgs - Below Ground Surface
	Gravel	PID - Photo Ionization Detector
	Limestone	

LITHOLOGY FOR SOIL BORING OF MW001 (CONTINUED)

Project No. 6055.01
Former Hobe Sound Landfill

LFR Levine-Fricke

LITHOLOGY			SAMPLING DATA		
Depth, feet bgs	Graphic Log	Visual Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID Value (ppm)
		Sand (SP) , color varies, includes brown (10YR 4/6), light brown (10YR 6/6), and dark gray (10YR 5/2), medium grained, quartz, well sorted, loose			
5			5		
		No Recovery (assumed to be area of refuse)			
10			10		
15			15		
		Clayey Sand (SC) , brownish gray (10YR 4/2), fine grained, stiff			
		Sand (SP) , color varies, brownish gray (10YR 3/3), medium grained, well sorted, loose			
20			20		
25			25		
	Continued...				
Date boring drilled: 2/19/02 LFR Geologist/Engineer: Megan Morsey			EXPLANATION 		

LITHOLOGY FOR SOIL BORING OF MW002

Project No. 6055.01
 Former Hobe Sound Landfill

LFR Levine-Fricke

LITHOLOGY			SAMPLING DATA		
Depth, feet bgs	Graphic Log	Visual Description Continued	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID Value (ppm)
30					
35					
40					

Sand (SP), as above

Refusal, no recovery

Total depth of boring at 40' bgs

Date boring drilled: 2/19/02
LFR Geologist/Engineer: Megan Morsey

EXPLANATION		
	Clay	 Fill
	Silt	 Interval Sampled and Retained
	Sand	
	Gravel	bgs - Below Ground Surface
	Limestone	PID - Photo Ionization Detector

LITHOLOGY FOR SOIL BORING OF MW002 (CONTINUED)

Project No. 6055.01
Former Hobe Sound Landfill

LFR Levine-Fricke

LITHOLOGY			SAMPLING DATA		
Depth, feet bgs	Graphic Log	Visual Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID Value (ppm)
		Sand (SP) , pale brown (10YR 7/4), dark gray (10YR 3/1), medium grained, quartz, well sorted, loose			
		Minor refusal at 4 foot			
5		Sand (SP) , as above, with refuse	5		
		No Recovery (assumed to be area of refuse)			
10			10		
15			15		
		Sand (SP) , color varies, light gray (10YR 7/1), brown (10YR 5/3), and dark brown (10YR 3/3), medium grained, quartz, well sorted, loose			
20			20		
25			25		
Continued...					

LITHOLOGY			SAMPLING DATA		
Depth, feet bgs	Graphic Log	Visual Description Continued	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID Value (ppm)
		Sand (SP), as above			
30			30		
35			35		
		No recovery, hard sand			
40			40		
		Total depth of boring at 40' bgs			

Date boring drilled: 2/19/02
 LFR Geologist/Engineer: Megan Morsey

EXPLANATION		
	Clay	 Fill
	Silt	 Interval Sampled and Retained
	Sand	bgs - Below Ground Surface
	Gravel	PID - Photo Ionization Detector
	Limestone	

LITHOLOGY FOR SOIL BORING OF MW003 (CONTINUED)

Project No. 6055.01
 Former Hobe Sound Landfill

LFR Levine-Fricke

Appendix B

Laboratory Analytical Data

Resource Conservation and Recovery Act

Appendix II Compounds

Metals (EPA Method 6020)

Antimony
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
Cobalt
Tin
Vanadium

Chlorinated Herbicides (EPA Method 8151A)

2,4,5-T
2,4,5-TP (Silvex)
2,4-D

Organochlorine Pesticides (EPA Method 8081A)

4,4-DDD
4,4-DDE
4,4-DDT
Aldrin
Alpha-BHC
Alpha-Chlordane
Beta-BHC
Heptachlor Epoxide
Chlordane
Delta-BHC
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin
Endrin Ketone
Endrin Aldehyde
Gamma-BHC (Lindane)
Gamma-Chlordane
Heptachlor

Methoxychlor
Toxaphene

Total Cyanide (EPA Method 335.2) Cyanide, Total

Volatile Organic Compounds (SW-846 8260)

Acetone
Acetonitrile
Acrolein
Acrylonitrile
Allyl Chloride (3-Chloropropene)
Benzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
2-Butanone
Carbon Disulfide
Carbon Tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
Chloroprene
1,2-Dibromo-3-Chloropropane
Dibromochloromethane
1,2-Dibromoethane (Ethylene Dibromide)
Dibromomethane
1,4-Dichloro-2-Butene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Dichlorodifluoromethane
1,2-Dichloroethane
1,1-Dichloroethane
trans-1,2-dichloroethene
cis-1,2-Dichloroethene
1,1-Dichloroethene
2,2-Dichloropropane
1,3-Dichloropropane
1,2-Dichloropropane
trans-1,3-dichloropropene
1,1-Dichloropropene
cis-1,3-Dichloropropene

Resource Conservation and Recovery Act Appendix II Compounds

Ethyl Methacrylate
Ethylbenzene
Hexachlorobutadiene
Isobutanol
2-Hexanone
Methyl Iodide
Methacrylonitrile
Methyl Methacrylate
4-Methyl-2-Pentanone
Naphthalene
Styrene
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Toluene
1,2,4-Trichlorobenzene
1,1,2-Trichloroethane
1,1,1-Trichloroethane
Trichloroethene
Trichlorofluoromethane
1,2,3-Trichloropropane
Vinyl Acetate
o-Xylene
m,p-Xylenes
Methylene Chloride
Tetrachloroethylene
Vinyl Chloride

Semivolatile Organic Compounds (EPA Method 8270C)

Parathion, Methyl
Acenaphthene
Parathion, Ethyl
3,3-Dimethylbenzidine
Acenaphthylene
Acetophenone
2-Acetylaminofluorene
4-Aminobiphenyl
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Benzo(k)fluoranthene
2-Aminonaphthalene (Beta
Naphthylamine)
p-Dimethylaminoazobenzene

1,3-Dinitrobenzene
Benzyl alcohol
Benzyl Butyl Phthalate
bis(2-chloroethoxy) methane
bis(2-chloroethyl) ether
bis(2-chloroisopropyl) ether
bis(2-ethylhexyl) phthalate
4-Bromophenyl Phenyl Ether
di-n-Butyl Phthalate
4-chloro-3-methylphenol
4-Chloroaniline
Chlorobenzilate
2-Chloronaphthalene
2-Chlorophenol
4-Chlorophenyl Phenyl Ether
Chrysene
Diallate (Total of cis and trans Isomers)
Dibenz(a,h)Anthracene
Dibenzofuran
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3-Dichlorobenzidine
2,4-Dichlorophenol
2,6-Dichlorophenol
Diethyl Phthalate
Dimethoate
Dimethyl Phthalate
Dimethoate
Dimethyl Phthalate
7,12-dimethylbenz(a)anthracene
2,4-Dimethylphenol
4,6-dinitro-2-methyl phenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
Dinoseb
Diphenylamine
Disulfoton
Ethyl methanesulfonate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Hexachloropropene

Resource Conservation and Recovery Act Appendix II Compounds

Indeno(1,2,3-c,d)Pyrene

Isodrin

Isophorone

Isosafrole

Kepone

Methapyrilene

Methyl Methanesulfonate

3-Methylcholanthrene

2-Methylnaphthalene

2-methylphenol

3&4-Methylphenol

Naphthalene

1,4-Naphthoquinone

1-Naphthylamine

4-Nitroaniline

3-Nitroaniline

2-Nitroaniline

Nitrobenzene

5-nitro-o-toluidine

2-Nitrophenol

4-Nitrophenol

N-Nitrosodiethylamine

N-Nitrosodimethylamine

N-Nitrosodi-n-Propylamine

N-Nitrosodiphenylamine

N-Nitrosomethylethylamine

N-Nitrosopiperidine

N-Nitrosopyrrolidine

di-n-Octyl Phthalate

Pentachlorobenzene

Pentachloronitrobenzene (PCNB)

Pentachlorophenol

Phenacetin

Phenathrene

p-Phenylenediamine

Phorate

Pronamide

Pyrene

Safrole

1,2,4,5-Tetrachlorobenzene

N-Nitroso-di-N-Butylamine

2,3,4,6-Tetrachlorophenol

O-Toluidine

1,2,4-Trichlorobenzene

2,4,6-Trichlorophenol

2,4,5-Trichlorophenol

O,O,O-Triethylphosphorathioate

Sulfide (EPA Method 376.2)

Sulfide, Total

Organo-phosphorus Pesticides
(EPA Method 8141)

Azinphos methyl

Demeton-o

Demeton-s

Disulfoton

Ethion

Malathion

Methyl parathion

Parathion

Analytical Report 221355

for

Levine Fricke (LFR)

Project Manager: Rob Larson

515 Hobe Sound

6055-01-1

22-MAR-02



813-26 620-2000

11381 Meadowglen, Suite L Houston, TX 77082 Ph:(281) 589-0692 Fax:(281) 589-0695

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



22-MAR-02

Project Manager: Rob Larson
Levine Fricke (LFR)
501 South Falkenburg Road E-8

Tampa, FL 33619

Reference: XENCO Report No: 221355
515 Hobe Sound
Project Address: Hobe Sound, FL

Rob Larson :

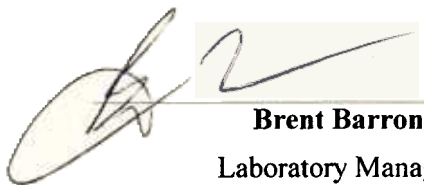
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Chain of Custody Numbered 221355 . All results being reported under this Chain of Custody apply to the samples analyzed and properly identified with a Laboratory ID number.

All the results for the quality control samples were reviewed. Also, all parameters for data reduction and validation were reviewed. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 221355 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Brent Barron

Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

[illegible]

Company LFR Levine Frick				Phone (813) 661-1810		Lab Only: 221355-H										Lab Only Additions									
Project Name SIS Hobe Sound				Project ID		TAT: 5h 12h 20h 24h 48h 3d 5d 7d 14d 21d Standard TAT is 10 Working Days unless otherwise agreed in writing. But often reported in 5-7 Working Days																			
Location Hobe Sound FL				Project Director (PD) George Wiegand		Sub Title D Appendix II 2 of 2										Remarks									
Project Manager (PM) Rob Larson				Fax Results to ☒ PM and / or Rob Larson																					
Invoice to ☐ Accounting ☒ Include Invoice with Final Report Attn PM ☐ Invoice must have a P.O. Bill to:																									
Quote No.				P.O. No. RBL02-05 ☐ Call for a P.O.																					
Special DIs (RR I RR II DW QAPP See Lab PM Call Proj. PM)				Specifications																					
Sampler Name Rob Larson				Signature [Signature]																					
Sample ID	Sampling Date	Time	Depth ft/in	Matrix	APSW	Composite	Grab	# Containers	Container Size	Type	Preservatives	8260 VOCs	8270 SVOCs	8141	8151	8081	CN-	Sulfides	Metals (17)	TAT 5h 12h 20h 24h 48h 3d 5d 7d 10d 14d 21d	Addn: PAH above mg/L W.	Hold Analysis	Date	From:	
MW-12	3/8	1155	16	W			X	9				X	X	X	X	X	X	X	X	X					
MW-13	3/8	1430	16	W			X	9				X	X	X	X	X	X	X	X	X					
SW-1	3/8	1250	1	S			X	9				X	X	X	X	X	X	X	X	X					
SW-2	3/8	1500	1	S			X	9				X	X	X	X	X	X	X	X	X					
SW-3	3/8	1530	1	S			X	9				X	X	X	X	X	X	X	X	X					
PW-1	3/8	1340	7.5	W			X	9				X	X	X	X	X	X	X	X	X					
DUP-A	3/7	1600	16	W			X	9				X	X	X	X	X	X	X	X	X					
EQB	3/8	1545	0	W			X	9				X	X	X	X	X	X	X	X	X					
Relinquished by (Initials and Sign.) [Signature]				Date & Time 3/8/02 2052		Relinquished to (Initials and Sign.) [Signature]				Date & Time 3/8/02 18:58		Total Containers per COC:				Cooler Temp:									
						Lab: [Signature]				3/12/02 11:00		Rush TATs Fax Due:				Final Fax Due:									
												Final Report Data Package Due Date:				Rush Charges are Pre-Approved upon Requesting them. All Terms Apply									
Preservatives - Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), NaOH+Asbc Acid (NAA), ZnAc+NaOH (ZA), (Cool,<4C) (C4), None (N), See Label (SL), Other (O) SIZE: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (.5), Tedlar Bag (B), Wipe (W), Other _____ TYPE Glass Amb (GA), Glass Clear (GC), Plastic (P), Other (O) _____																									



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

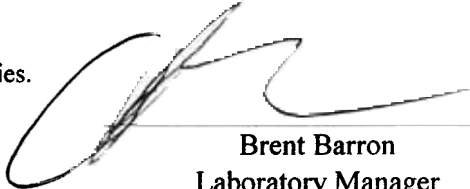
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
Table III Metals by EPA 6020	Extracted:	MAR-18-02 11:00	MAR-18-02 11:00	MAR-18-02 11:00	MAR-18-02 11:00	MAR-18-02 11:00	MAR-18-02 11:00
	Analyzed:	MAR-19-02 15:05	MAR-19-02 15:24	MAR-19-02 15:30	MAR-19-02 15:37	MAR-19-02 15:43	MAR-19-02 15:49
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Cobalt		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Tin		BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.500
Vanadium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Chlorinated Herbicides by EPA 8151A	Extracted:	MAR-14-02 08:05	MAR-14-02 08:08	MAR-14-02 08:12	MAR-14-02 08:15	MAR-14-02 08:19	MAR-14-02 08:23
	Analyzed:	MAR-18-02 16:14	MAR-18-02 17:06	MAR-18-02 17:59	MAR-18-02 18:52	MAR-18-02 19:44	MAR-18-02 20:37
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		RL	RL	RL	RL	RL	RL
2,4,5-T		BRL 0.505	BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.532	BRL 0.500
2,4,5-TP (Silvex)		BRL 0.505	BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.532	BRL 0.500
2,4-D		BRL 1.01	BRL 1.00	BRL 1.00	BRL 1.00	BRL 1.06	BRL 1.00

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levin Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
Organochlorine Pesticides by EPA 8081A	Extracted:	MAR-13-02 13:39	MAR-13-02 13:42	MAR-13-02 13:46	MAR-13-02 13:48	MAR-13-02 14:00	MAR-13-02 14:03
	Analyzed:	MAR-16-02 14:06	MAR-16-02 14:45	MAR-16-02 15:23	MAR-16-02 16:02	MAR-16-02 16:41	MAR-16-02 17:19
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		RL	RL	RL	RL	RL	RL
4,4-DDD		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
4,4-DDE		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
4,4-DDT		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Aldrin		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Alpha-BHC		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Alpha-Chlordane		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Beta-BHC		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Heptachlor Epoxide		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Chlordane		BRL 0.505	BRL 0.505	BRL 0.505	BRL 0.500	BRL 0.549	BRL 0.500
Delta-BHC		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Dieldrin		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Endosulfan I		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Endosulfan II		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Endosulfan Sulfate		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Endrin		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Endrin Ketone		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050

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Laboratory Manager



Certificate of Analysis Summary 221355

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Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
Organochlorine Pesticides by EPA 8081A	Extracted:	MAR-13-02 13:39	MAR-13-02 13:42	MAR-13-02 13:46	MAR-13-02 13:48	MAR-13-02 14:00	MAR-13-02 14:03
	Analyzed:	MAR-16-02 14:06	MAR-16-02 14:45	MAR-16-02 15:23	MAR-16-02 16:02	MAR-16-02 16:41	MAR-16-02 17:19
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		RL	RL	RL	RL	RL	RL
Endrin Aldehyde		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Gamma-BHC (Lindane)		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Gamma-Chlordane		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Heptachlor		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Methoxychlor		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.055	BRL 0.050
Toxaphene		BRL 0.505	BRL 0.505	BRL 0.505	BRL 0.500	BRL 0.549	BRL 0.500

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Project ID: 6055-01-1

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Project Location: Hobe Sound, FL

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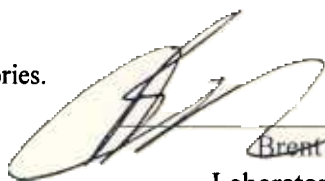
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
Priority Pollutant Metals by EPA 6020	Extracted:	MAR-14-02 10:45	MAR-14-02 10:45	MAR-14-02 10:45	MAR-14-02 10:45	MAR-14-02 10:45	MAR-14-02 10:45
	Analyzed:	MAR-14-02 14:05	MAR-14-02 14:10	MAR-14-02 14:15	MAR-14-02 14:21	MAR-14-02 14:26	MAR-14-02 14:31
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Antimony		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Arsenic		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Beryllium		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Cadmium		0.006 0.003	0.005 0.003	BRL 0.003	BRL 0.003	BRL 0.003	BRL 0.003
Chromium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Copper		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Lead		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	0.051 0.005	BRL 0.005
Mercury		0.0133 0.0010	BRL 0.0010	BRL 0.0010	BRL 0.0010	BRL 0.0010	BRL 0.0010
Nickel		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Selenium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Silver		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Thallium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Zinc		0.098 0.050	0.092 0.050	0.265 0.050	BRL 0.050	0.140 0.050	BRL 0.050

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

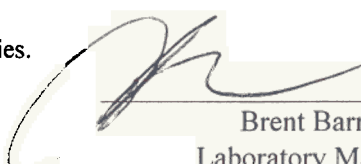
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:07	MAR-13-02 09:10	MAR-13-02 09:13	MAR-13-02 09:16	MAR-13-02 09:20	MAR-13-02 09:24
	Analyzed:	MAR-14-02 13:28	MAR-14-02 14:16	MAR-14-02 15:04	MAR-14-02 15:51	MAR-14-02 16:39	MAR-14-02 17:27
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Parathion, Ethyl		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
3,3-Dimethylbenzidine		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
Acenaphthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Parathion, Methyl		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Acenaphthylene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Acetophenone		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2-Acetylaminofluorene		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
4-Aminobiphenyl		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
Anthracene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(a)anthracene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(a)pyrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(b)fluoranthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(g,h,i)perylene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(k)fluoranthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
p-Dimethylaminoazobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
1,3-Dinitrobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

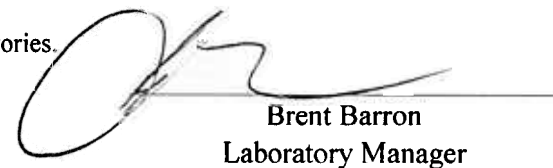
<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-001 MW-1 30 WATER MAR-07-02 14:15	221355-002 MW-2 30 WATER MAR-07-02 15:20	221355-003 MW-3 15 WATER MAR-07-02 16:00	221355-004 MW-4 20 WATER MAR-07-02 16:50	221355-005 MW-5 15 WATER MAR-07-02 17:40	221355-006 MW-6 20 WATER MAR-07-02 18:40
SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:07 MAR-14-02 13:28 mg/L	MAR-13-02 09:10 MAR-14-02 14:16 mg/L	MAR-13-02 09:13 MAR-14-02 15:04 mg/L	MAR-13-02 09:16 MAR-14-02 15:51 mg/L	MAR-13-02 09:20 MAR-14-02 16:39 mg/L	MAR-13-02 09:24 MAR-14-02 17:27 mg/L
		RL	RL	RL	RL	RL	RL
2-Aminonaphthalene (Beta Naphthylamine)		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Benzyl alcohol		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
Benzyl Butyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
bis(2-chloroethoxy) methane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
bis(2-chloroethyl) ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
bis(2-chloroisopropyl) ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
bis(2-ethylhexyl) phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
4-Bromophenyl Phenyl Ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
di-n-Butyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
4-chloro-3-methylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
4-Chloroaniline		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
Chlorobenzilate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2-Chloronaphthalene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2-Chlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
4-Chlorophenyl Phenyl Ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Chrysene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:07	MAR-13-02 09:10	MAR-13-02 09:13	MAR-13-02 09:16	MAR-13-02 09:20	MAR-13-02 09:24
	Analyzed:	MAR-14-02 13:28	MAR-14-02 14:16	MAR-14-02 15:04	MAR-14-02 15:51	MAR-14-02 16:39	MAR-14-02 17:27
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Diallate (Total of cis and trans Isomers)		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
Dibenz(a,h)Anthracene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Dibenzofuran		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
1,2-Dichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
1,3-Dichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
1,4-Dichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
3,3-Dichlorobenzidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2,4-Dichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2,6-Dichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Diethyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Dimethoate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Dimethyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
7,12-dimethylbenz(a)anthracene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2,4-Dimethylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
4,6-dinitro-2-methyl phenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2,4-Dinitrophenol		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020

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Project Location: Hobe Sound, FL

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Date Received in Lab: Tue Mar-12-02 11:00 AM

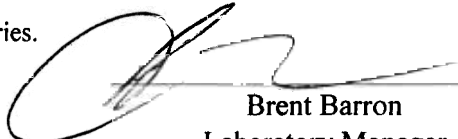
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-001 MW-1 30 WATER MAR-07-02 14:15	221355-002 MW-2 30 WATER MAR-07-02 15:20	221355-003 MW-3 15 WATER MAR-07-02 16:00	221355-004 MW-4 20 WATER MAR-07-02 16:50	221355-005 MW-5 15 WATER MAR-07-02 17:40	221355-006 MW-6 20 WATER MAR-07-02 18:40
SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:07 MAR-14-02 13:28 mg/L	MAR-13-02 09:10 MAR-14-02 14:16 mg/L	MAR-13-02 09:13 MAR-14-02 15:04 mg/L	MAR-13-02 09:16 MAR-14-02 15:51 mg/L	MAR-13-02 09:20 MAR-14-02 16:39 mg/L	MAR-13-02 09:24 MAR-14-02 17:27 mg/L
		RL	RL	RL	RL	RL	RL
2,4-Dinitrotoluene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2,6-Dinitrotoluene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Dinoseb		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Diphenylamine		BRL 0.051	BRL 0.050	BRL 0.051	BRL 0.051	BRL 0.061	BRL 0.050
Disulfoton		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Ethyl methanesulfonate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Fluoranthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Fluorene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Hexachlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Hexachlorobutadiene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Hexachlorocyclopentadiene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Hexachloroethane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Hexachloropropene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Indeno(1,2,3-c,d)Pyrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Isodrin		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Isophorone		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-001 MW-1 30 WATER MAR-07-02 14:15	221355-002 MW-2 30 WATER MAR-07-02 15:20	221355-003 MW-3 15 WATER MAR-07-02 16:00	221355-004 MW-4 20 WATER MAR-07-02 16:50	221355-005 MW-5 15 WATER MAR-07-02 17:40	221355-006 MW-6 20 WATER MAR-07-02 18:40
SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:07 MAR-14-02 13:28 mg/L	MAR-13-02 09:10 MAR-14-02 14:16 mg/L	MAR-13-02 09:13 MAR-14-02 15:04 mg/L	MAR-13-02 09:16 MAR-14-02 15:51 mg/L	MAR-13-02 09:20 MAR-14-02 16:39 mg/L	MAR-13-02 09:24 MAR-14-02 17:27 mg/L
		RL	RL	RL	RL	RL	RL
Isosafrole		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Kepone		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
Methapyrilene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Methyl Methanesulfonate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
3-Methylcholanthrene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2-Methylnaphthalene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
2-methylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
3&4-Methylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Naphthalene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
1,4-Naphthoquinone		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
1-Naphthylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
4-Nitroaniline		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
3-Nitroaniline		BRL 0.025	BRL 0.025	BRL 0.025	BRL 0.025	BRL 0.030	BRL 0.025
2-Nitroaniline		BRL 0.025	BRL 0.025	BRL 0.025	BRL 0.025	BRL 0.030	BRL 0.025
Nitrobenzene		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
5-nitro-o-toluidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-001 MW-1 30 WATER MAR-07-02 14:15	221355-002 MW-2 30 WATER MAR-07-02 15:20	221355-003 MW-3 15 WATER MAR-07-02 16:00	221355-004 MW-4 20 WATER MAR-07-02 16:50	221355-005 MW-5 15 WATER MAR-07-02 17:40	221355-006 MW-6 20 WATER MAR-07-02 18:40
SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:07 MAR-14-02 13:28 mg/L	MAR-13-02 09:10 MAR-14-02 14:16 mg/L	MAR-13-02 09:13 MAR-14-02 15:04 mg/L	MAR-13-02 09:16 MAR-14-02 15:51 mg/L	MAR-13-02 09:20 MAR-14-02 16:39 mg/L	MAR-13-02 09:24 MAR-14-02 17:27 mg/L
		RL	RL	RL	RL	RL	RL
2-Nitrophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
4-Nitrophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
N-Nitrosodiethylamine		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
N-Nitrosodimethylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
N-Nitrosodi-n-Propylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
N-Nitrosodiphenylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
N-Nitrosomethylethylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
N-Nitrosopiperidine		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
N-Nitrosopyrrolidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
di-n-Octyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Pentachlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Pentachloronitrobenzene (PCNB)		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
Pentachlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Phenacetin		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.024	BRL 0.020
Phenanthrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
p-Phenylenediamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:07	MAR-13-02 09:10	MAR-13-02 09:13	MAR-13-02 09:16	MAR-13-02 09:20	MAR-13-02 09:24
	Analyzed:	MAR-14-02 13:28	MAR-14-02 14:16	MAR-14-02 15:04	MAR-14-02 15:51	MAR-14-02 16:39	MAR-14-02 17:27
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Phorate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Pronamide		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Pyrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Safrole		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
1,2,4,5-Tetrachlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
N-Nitroso-di-N-Butylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2,3,4,6-Tetrachlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
o-Toluidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
1,2,4-Trichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2,4,6-Trichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
2,4,5-Trichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
O,O,O-Triethylphosphorothioate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.012	BRL 0.010
Sulfide by EPA 376.2	Extracted:	MAR-14-02 11:00	MAR-14-02 11:10	MAR-14-02 11:15	MAR-14-02 11:20	MAR-14-02 11:25	MAR-14-02 11:30
	Analyzed:						
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Sulfide, Total		BRL 5.00	BRL 5.00	BRL 5.00	BRL 5.00	BRL 5.00	BRL 5.00

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

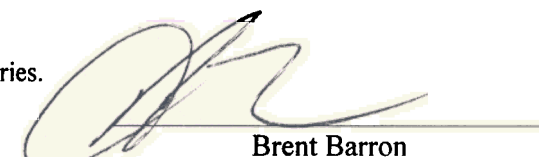
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
Total Cyanide by EPA 335.2	Extracted:						
	Analyzed:	MAR-12-02 13:15	MAR-12-02 13:20	MAR-12-02 13:25	MAR-12-02 13:30	MAR-12-02 13:35	MAR-12-02 13:40
	Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cyanide, Total		RL	RL	RL	RL	RL	RL
		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

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Report Date: 22-MAR-02

Project Manager: Patricia Quintana

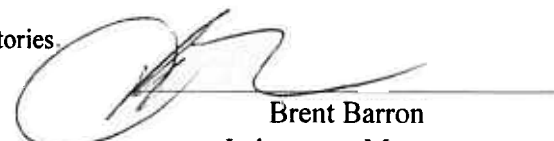
Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
VOAs by SW-846 8260	Extracted:	MAR-19-02 11:16	MAR-19-02 11:18	MAR-15-02 14:52	MAR-15-02 14:54	MAR-15-02 14:56	MAR-15-02 14:58
	Analyzed:	MAR-19-02 13:10	MAR-19-02 13:30	MAR-15-02 15:38	MAR-15-02 15:58	MAR-15-02 16:18	MAR-15-02 16:39
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Acetone		BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100
Acetonitrile		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Acrolein		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Acrylonitrile		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Allyl Chloride (3-Chloropropene)		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Benzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromochloromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromodichloromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromoform		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromomethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
2-Butanone		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Carbon Disulfide		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Carbon Tetrachloride		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Chlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Chloroethane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Chloroform		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

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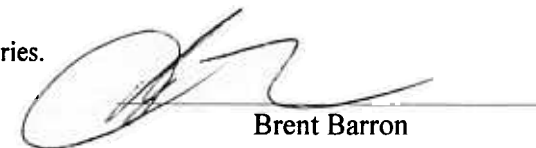
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-001 MW-1 30 WATER MAR-07-02 14:15	221355-002 MW-2 30 WATER MAR-07-02 15:20	221355-003 MW-3 15 WATER MAR-07-02 16:00	221355-004 MW-4 20 WATER MAR-07-02 16:50	221355-005 MW-5 15 WATER MAR-07-02 17:40	221355-006 MW-6 20 WATER MAR-07-02 18:40
VOAs by SW-846 8260	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-19-02 11:16 MAR-19-02 13:10 mg/L	MAR-19-02 11:18 MAR-19-02 13:30 mg/L	MAR-15-02 14:52 MAR-15-02 15:38 mg/L	MAR-15-02 14:54 MAR-15-02 15:58 mg/L	MAR-15-02 14:56 MAR-15-02 16:18 mg/L	MAR-15-02 14:58 MAR-15-02 16:39 mg/L
		RL	RL	RL	RL	RL	RL
Chloromethane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Chloroprene		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
1,2-Dibromo-3-Chloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Dibromochloromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2-Dibromoethane (Ethylene Dibromide)		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Dibromomethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,4-Dichloro-2-Butene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2-Dichlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,3-Dichlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,4-Dichlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Dichlorodifluoromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2-Dichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1-Dichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
trans-1,2-dichloroethene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
cis-1,2-Dichloroethene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1-Dichloroethene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

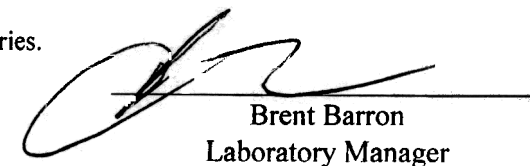
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
VOAs by SW-846 8260	Extracted:	MAR-19-02 11:16	MAR-19-02 11:18	MAR-15-02 14:52	MAR-15-02 14:54	MAR-15-02 14:56	MAR-15-02 14:58
	Analyzed:	MAR-19-02 13:10	MAR-19-02 13:30	MAR-15-02 15:38	MAR-15-02 15:58	MAR-15-02 16:18	MAR-15-02 16:39
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
2,2-Dichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,3-Dichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2-Dichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
trans-1,3-dichloropropene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1-Dichloropropene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
cis-1,3-Dichloropropene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Ethyl Methacrylate		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Ethylbenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Hexachlorobutadiene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Isobutanol		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
2-Hexanone		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Methyl Iodide		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Methacrylonitrile		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Methyl Methacrylate		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
4-Methyl-2-Pentanone		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Naphthalene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

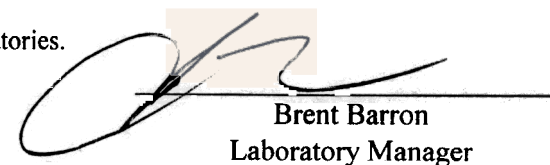
Analysis Requested	Lab ID :	221355-001	221355-002	221355-003	221355-004	221355-005	221355-006
	Field ID :	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
	Depth :	30	30	15	20	15	20
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-07-02 14:15	MAR-07-02 15:20	MAR-07-02 16:00	MAR-07-02 16:50	MAR-07-02 17:40	MAR-07-02 18:40
VOAs by SW-846 8260	Extracted:	MAR-19-02 11:16	MAR-19-02 11:18	MAR-15-02 14:52	MAR-15-02 14:54	MAR-15-02 14:56	MAR-15-02 14:58
	Analyzed:	MAR-19-02 13:10	MAR-19-02 13:30	MAR-15-02 15:38	MAR-15-02 15:58	MAR-15-02 16:18	MAR-15-02 16:39
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Styrene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,1,2-Tetrachloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,2,2-Tetrachloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Toluene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2,4-Trichlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,2-Trichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,1-Trichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Trichloroethene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Trichlorofluoromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2,3-Trichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Vinyl Acetate		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
o- y lene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
m,p-Xylenes		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Methylene Chloride		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Tetrachloroethylene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Vinyl Chloride		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-007 MW-7 20 WATER MAR-08-02 07:50	221355-008 MW-9 16 WATER MAR-08-02 09:00	221355-009 MW-10 20 WATER MAR-08-02 09:55	221355-010 MW-11 20 WATER MAR-08-02 10:50	221355-011 MW-12 16 WATER MAR-08-02 11:55	221355-012 MW-13 16 WATER MAR-08-02 14:30
Table III Metals by EPA 6020	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-18-02 11:00 MAR-19-02 15:56 mg/L RL	MAR-18-02 11:00 MAR-19-02 16:21 mg/L RL	MAR-18-02 11:00 MAR-19-02 16:27 mg/L RL	MAR-18-02 11:00 MAR-19-02 16:34 mg/L RL	MAR-18-02 11:00 MAR-19-02 16:40 mg/L RL	MAR-18-02 11:00 MAR-19-02 16:47 mg/L RL
Cobalt		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Tin		BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.500
Vanadium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Chlorinated Herbicides by EPA 8151A	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-14-02 08:27 MAR-18-02 21:30 ug/L RL	MAR-14-02 08:31 MAR-18-02 22:22 ug/L RL	MAR-14-02 08:34 MAR-18-02 23:15 ug/L RL	MAR-14-02 08:38 MAR-19-02 00:07 ug/L RL	MAR-14-02 08:42 MAR-19-02 01:53 ug/L RL	MAR-14-02 08:46 MAR-19-02 02:45 ug/L RL
2,4,5-T		BRL 0.500	BRL 0.500	BRL 0.510	BRL 0.500	BRL 0.500	BRL 0.500
2,4,5-TP (Silvex)		BRL 0.500	BRL 0.500	BRL 0.510	BRL 0.500	BRL 0.500	BRL 0.500
2,4-D		BRL 1.00	BRL 1.00	BRL 1.02	BRL 1.00	BRL 1.00	BRL 1.00

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
Organochlorine Pesticides by EPA 8081A	Extracted:	MAR-13-02 14:06	MAR-13-02 14:10	MAR-13-02 15:00	MAR-13-02 15:03	MAR-13-02 15:05	MAR-13-02 15:09
	Analyzed:	MAR-16-02 17:58	MAR-16-02 18:36	MAR-16-02 19:15	MAR-16-02 19:54	MAR-16-02 23:07	MAR-16-02 23:45
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		RL	RL	RL	RL	RL	RL
	4,4-DDD	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
	4,4-DDE	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
	4,4-DDT	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
	Aldrin	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
	Alpha-BHC	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
	Alpha-Chlordane	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
	Beta-BHC	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
	Heptachlor Epoxide	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
	Chlordane	BRL 0.500	BRL 0.556	BRL 0.505	BRL 0.505	BRL 0.500	BRL 0.510
	Delta-BHC	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
	Dieldrin	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
Endosulfan I	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051	BRL 0.051
Endosulfan II	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051	BRL 0.051
Endosulfan Sulfate	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051	BRL 0.051
Endrin	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051	BRL 0.051
	BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051	BRL 0.051

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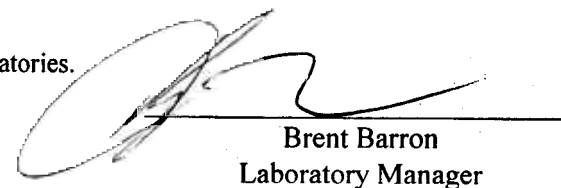
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-007 MW-7 20 WATER MAR-08-02 07:50	221355-008 MW-9 16 WATER MAR-08-02 09:00	221355-009 MW-10 20 WATER MAR-08-02 09:55	221355-010 MW-11 20 WATER MAR-08-02 10:50	221355-011 MW-12 16 WATER MAR-08-02 11:55	221355-012 MW-13 16 WATER MAR-08-02 14:30
Organochlorine Pesticides by EPA 8081A	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 14:06 MAR-16-02 17:58 ug/L RL	MAR-13-02 14:10 MAR-16-02 18:36 ug/L RL	MAR-13-02 15:00 MAR-16-02 19:15 ug/L RL	MAR-13-02 15:03 MAR-16-02 19:54 ug/L RL	MAR-13-02 15:05 MAR-16-02 23:07 ug/L RL	MAR-13-02 15:09 MAR-16-02 23:45 ug/L RL
Endrin Aldehyde		BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
Gamma-BHC (Lindane)		BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
Gamma-Chlordane		BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
Heptachlor		BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
Methoxychlor		BRL 0.050	BRL 0.056	BRL 0.051	BRL 0.051	BRL 0.050	BRL 0.051
Toxaphene		BRL 0.500	BRL 0.556	BRL 0.505	BRL 0.505	BRL 0.500	BRL 0.510

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Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
Priority Pollutant Metals by EPA 6020	Extracted:	MAR-14-02 10:45	MAR-14-02 10:45	MAR-14-02 10:45	MAR-14-02 10:45	MAR-14-02 10:45	MAR-14-02 10:45
	Analyzed:	MAR-14-02 14:37	MAR-14-02 14:42	MAR-14-02 14:48	MAR-14-02 15:04	MAR-14-02 15:09	MAR-14-02 15:14
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Antimony		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Arsenic		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Beryllium		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Cadmium		BRL 0.003	BRL 0.003	BRL 0.003	BRL 0.003	BRL 0.003	BRL 0.003
Chromium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Copper		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Lead		BRL 0.005	0.052 0.005	BRL 0.005	0.007 0.005	0.079 0.005	BRL 0.005
Mercury		BRL 0.0010	0.0017 0.0010	0.0089 0.0010	BRL 0.0010	0.0022 0.0010	BRL 0.0010
Nickel		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	0.172 0.050	BRL 0.050
Selenium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Silver		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Thallium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Zinc		BRL 0.050	0.429 0.050	0.073 0.050	0.378 0.050	0.374 0.050	BRL 0.050

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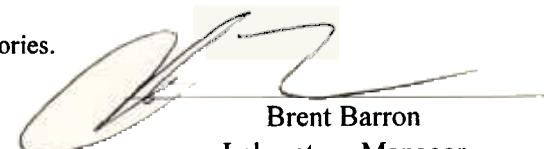
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Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:28	MAR-13-02 09:32	MAR-13-02 09:36	MAR-13-02 09:40	MAR-13-02 09:44	MAR-13-02 09:49
	Analyzed:	MAR-14-02 18:14	MAR-14-02 19:01	MAR-14-02 19:48	MAR-14-02 20:35	MAR-14-02 22:27	MAR-14-02 23:14
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Parathion, Methyl		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Acenaphthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Parathion, Ethyl		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
3,3-Dimethylbenzidine		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
Acenaphthylene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Acetophenone		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2-Acetylaminofluorene		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
4-Aminobiphenyl		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
Anthracene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(a)anthracene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(a)pyrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(b)fluoranthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(g,h,i)perylene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(k)fluoranthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
2-Aminonaphthalene (Beta Naphthylamine)		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
p-Dimethylaminoazobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

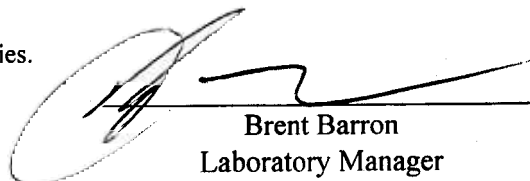
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:28	MAR-13-02 09:32	MAR-13-02 09:36	MAR-13-02 09:40	MAR-13-02 09:44	MAR-13-02 09:49
	Analyzed:	MAR-14-02 18:14	MAR-14-02 19:01	MAR-14-02 19:48	MAR-14-02 20:35	MAR-14-02 22:27	MAR-14-02 23:14
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
1,3-Dinitrobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Benzyl alcohol		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
Benzyl Butyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
bis(2-chloroethoxy) methane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
bis(2-chloroethyl) ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
bis(2-chloroisopropyl) ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
bis(2-ethylhexyl) phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Bromophenyl Phenyl Ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
di-n-Butyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-chloro-3-methylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Chloroaniline		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
Chlorobenzilate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2-Chloronaphthalene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2-Chlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Chlorophenyl Phenyl Ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Chrysene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002

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Laboratory Manager



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Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

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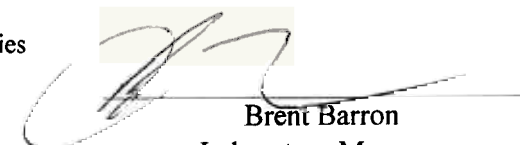
Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID : Depth : Matrix : Sampled :	MW-7 20 WATER MAR-08-02 07:50	MW-9 16 WATER MAR-08-02 09:00	MW-10 20 WATER MAR-08-02 09:55	MW-11 20 WATER MAR-08-02 10:50	MW-12 16 WATER MAR-08-02 11:55	MW-13 16 WATER MAR-08-02 14:30
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:28	MAR-13-02 09:32	MAR-13-02 09:36	MAR-13-02 09:40	MAR-13-02 09:44	MAR-13-02 09:49
	Analyzed:	MAR-14-02 18:14	MAR-14-02 19:01	MAR-14-02 19:48	MAR-14-02 20:35	MAR-14-02 22:27	MAR-14-02 23:14
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Diallate (Total of cis and trans Isomers)		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
Dibenz(a,h)Anthracene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Dibenzofuran		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,2-Dichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,3-Dichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,4-Dichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
3,3-Dichlorobenzidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4-Dichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,6-Dichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Diethyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Dimethoate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Dimethyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
7,12-dimethylbenz(a)anthracene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4-Dimethylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4,6-dinitro-2-methyl phenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4-Dinitrophenol		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020

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Brent Barron
Laboratory Manager



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Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

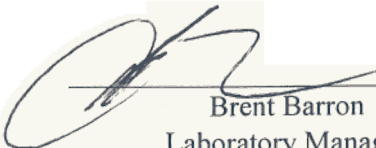
Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:28	MAR-13-02 09:32	MAR-13-02 09:36	MAR-13-02 09:40	MAR-13-02 09:44	MAR-13-02 09:49
	Analyzed:	MAR-14-02 18:14	MAR-14-02 19:01	MAR-14-02 19:48	MAR-14-02 20:35	MAR-14-02 22:27	MAR-14-02 23:14
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
2,4-Dinitrotoluene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,6-Dinitrotoluene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Dinoseb		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Diphenylamine		BRL 0.050	BRL 0.050	BRL 0.051	BRL 0.051	BRL 0.052	BRL 0.051
Disulfoton		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Ethyl methanesulfonate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Iuoranthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Fluorene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Hexachlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Hexachlorobutadiene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Hexachlorocyclopentadiene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Hexachloroethane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Hexachloropropene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Indeno(1,2,3-c,d)Pyrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Isodrin		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Isophorone		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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Laboratory Manager



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Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

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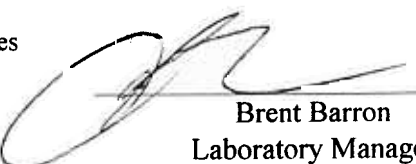
Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:28	MAR-13-02 09:32	MAR-13-02 09:36	MAR-13-02 09:40	MAR-13-02 09:44	MAR-13-02 09:49
	Analyzed:	MAR-14-02 18:14	MAR-14-02 19:01	MAR-14-02 19:48	MAR-14-02 20:35	MAR-14-02 22:27	MAR-14-02 23:14
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Isosafrole		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Kepone		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
Methapyrilene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Methyl Methanesulfonate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
3-Methylcholanthrene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2-Methylnaphthalene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
2-methylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
3&4-Methylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Naphthalene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
1,4-Naphthoquinone		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1-Naphthylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Nitroaniline		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
3-Nitroaniline		BRL 0.025	BRL 0.025	BRL 0.026	BRL 0.026	BRL 0.026	BRL 0.026
2-Nitroaniline		BRL 0.025	BRL 0.025	BRL 0.026	BRL 0.026	BRL 0.026	BRL 0.026
Nitrobenzene		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
5-nitro-o-toluidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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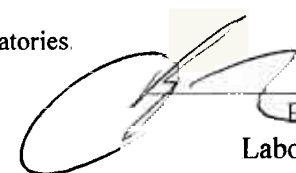
Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:28	MAR-13-02 09:32	MAR-13-02 09:36	MAR-13-02 09:40	MAR-13-02 09:44	MAR-13-02 09:49
	Analyzed:	MAR-14-02 18:14	MAR-14-02 19:01	MAR-14-02 19:48	MAR-14-02 20:35	MAR-14-02 22:27	MAR-14-02 23:14
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
2-Nitrophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Nitrophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosodiethylamine		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
N-Nitrosodimethylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosodi-n-Propylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosodiphenylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosomethylethylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosopiperidine		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
N-Nitrosopyrrolidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
di-n-Octyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Pentachlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Pentachloronitrobenzene (PCNB)		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
Pentachlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Phenacetin		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.021	BRL 0.020
Phenanthrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
p-Phenylenediamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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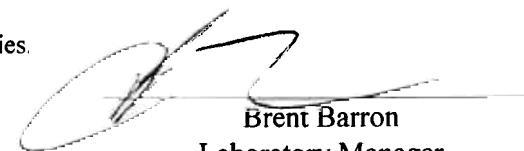
<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-007 MW-7 20 WATER MAR-08-02 07:50	221355-008 MW-9 16 WATER MAR-08-02 09:00	221355-009 MW-10 20 WATER MAR-08-02 09:55	221355-010 MW-11 20 WATER MAR-08-02 10:50	221355-011 MW-12 16 WATER MAR-08-02 11:55	221355-012 MW-13 16 WATER MAR-08-02 14:30
SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:28 MAR-14-02 18:14 mg/L	MAR-13-02 09:32 MAR-14-02 19:01 mg/L	MAR-13-02 09:36 MAR-14-02 19:48 mg/L	MAR-13-02 09:40 MAR-14-02 20:35 mg/L	MAR-13-02 09:44 MAR-14-02 22:27 mg/L	MAR-13-02 09:49 MAR-14-02 23:14 mg/L
		RL	RL	RL	RL	RL	RL
Phorate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Pronamide		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Pyrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Safrole		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,2,4,5-Tetrachlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitroso-di-N-Butylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,3,4,6-Tetrachlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
o-Toluidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,2,4-Trichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4,6-Trichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4,5-Trichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
O,O,O-Triethylphosphorothioate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Sulfide by EPA 376.2	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-14-02 11:35 MAR-14-02 11:35 mg/L	MAR-14-02 11:40 MAR-14-02 11:40 mg/L	MAR-14-02 11:45 MAR-14-02 11:45 mg/L	MAR-14-02 11:50 MAR-14-02 11:50 mg/L	MAR-14-02 11:55 MAR-14-02 11:55 mg/L	MAR-14-02 12:05 MAR-14-02 12:05 mg/L
		RL	RL	RL	RL	RL	RL
Sulfide, Total		BRL 5.00	BRL 5.00	BRL 5.00	BRL 5.00	BRL 5.00	BRL 5.00

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

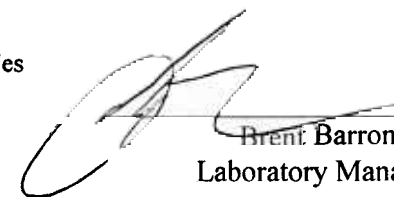
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
Total Cyanide by EPA 335.2	Extracted:						
	Analyzed:	MAR-12-02 13:45	MAR-12-02 13:50	MAR-14-02 17:15	MAR-14-02 17:25	MAR-14-02 17:30	MAR-14-02 17:35
	Units:	mg/kg RL	mg/kg RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Cyanide, Total		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020

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Report Date: 22-MAR-02

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Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
VOAs by SW-846 8260	Extracted:	MAR-15-02 15:00	MAR-15-02 15:06	MAR-15-02 15:08	MAR-15-02 15:10	MAR-15-02 15:12	MAR-15-02 15:14
	Analyzed:	MAR-15-02 16:59	MAR-15-02 18:00	MAR-15-02 18:21	MAR-15-02 18:41	MAR-15-02 19:02	MAR-15-02 19:22
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Acetone		BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100
Acetonitrile		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Acrolein		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Acrylonitrile		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Allyl Chloride (3-Chloropropene)		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Benzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromochloromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromodichloromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromoform		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromomethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
2-Butanone		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Carbon Disulfide		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Carbon Tetrachloride		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Chlorobenzene		0.007 0.005	0.010 0.005	0.020 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Chloroethane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Chloroform		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

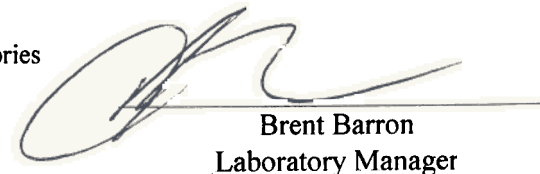
Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
VOAs by SW-846 8260	xtracted:	MAR-15-02 15:00	MAR-15-02 15:06	MAR-15-02 15:08	MAR-15-02 15:10	MAR-15-02 15:12	MAR-15-02 15:14
	Analyzed:	MAR-15-02 16:59	MAR-15-02 18:00	MAR-15-02 18:21	MAR-15-02 18:41	MAR-15-02 19:02	MAR-15-02 19:22
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Chloromethane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Chloroprene		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
1,2-Dibromo-3-Chloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Dibromochloromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2-Dibromoethane (Ethylene Dibromide)		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Dibromomethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,4-Dichloro-2-Butene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2-Dichlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,3-Dichlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,4-Dichlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Dichlorodifluoromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2-Dichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1-Dichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
trans-1,2-dichloroethene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
cis-1,2-Dichloroethene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1-Dichloroethene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL
Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

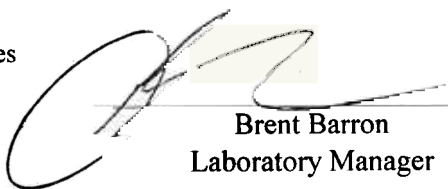
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-007	221355-008	221355-009	221355-010	221355-011	221355-012
	Field ID :	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13
	Depth :	20	16	20	20	16	16
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 07:50	MAR-08-02 09:00	MAR-08-02 09:55	MAR-08-02 10:50	MAR-08-02 11:55	MAR-08-02 14:30
VOAs by SW-846 8260	Extracted:	MAR-15-02 15:00	MAR-15-02 15:06	MAR-15-02 15:08	MAR-15-02 15:10	MAR-15-02 15:12	MAR-15-02 15:14
	Analyzed:	MAR-15-02 16:59	MAR-15-02 18:00	MAR-15-02 18:21	MAR-15-02 18:41	MAR-15-02 19:02	MAR-15-02 19:22
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
2,2-Dichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,3-Dichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2-Dichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
trans-1,3-dichloropropene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1-Dichloropropene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
cis-1,3-Dichloropropene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Ethyl Methacrylate		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Ethylbenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Hexachlorobutadiene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Isobutanol		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
2-Hexanone		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Methyl Iodide		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Methacrylonitrile		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Methyl Methacrylate		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
4-Methyl-2-Pentanone		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Naphthalene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-007 MW-7 20 WATER MAR-08-02 07:50	221355-008 MW-9 16 WATER MAR-08-02 09:00	221355-009 MW-10 20 WATER MAR-08-02 09:55	221355-010 MW-11 20 WATER MAR-08-02 10:50	221355-011 MW-12 16 WATER MAR-08-02 11:55	221355-012 MW-13 16 WATER MAR-08-02 14:30
VOAs by SW-846 8260	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-15-02 15:00 MAR-15-02 16:59 mg/L	MAR-15-02 15:06 MAR-15-02 18:00 mg/L	MAR-15-02 15:08 MAR-15-02 18:21 mg/L	MAR-15-02 15:10 MAR-15-02 18:41 mg/L	MAR-15-02 15:12 MAR-15-02 19:02 mg/L	MAR-15-02 15:14 MAR-15-02 19:22 mg/L
		RL	RL	RL	RL	RL	RL
Styrene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,1,2-Tetrachloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,2,2-Tetrachloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Toluene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2,4-Trichlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,2-Trichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,1-Trichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Trichloroethene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Trichlorofluoromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2,3-Trichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Vinyl Acetate		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
o- y lene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
m,p-Xylenes		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Methylene Chloride		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Tetrachloroethylene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Vinyl Chloride		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002

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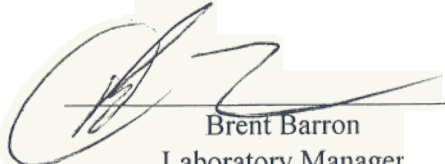
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-013 SW-1 1 WATER MAR-08-02 12:50	221355-014 SW-2 1 WATER MAR-08-02 15:00	221355-015 SW-3 1 WATER MAR-08-02 15:30	221355-016 PW-1 75 WATER MAR-08-02 13:40	221355-017 DUP-A 16 WATER MAR-07-02 16:00	221355-018 EQB 0 WATER MAR-08-02 15:45
Table III Metals by EPA 6020	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-18-02 11:00 MAR-19-02 16:53 mg/L RL	MAR-18-02 11:00 MAR-19-02 16:59 mg/L RL	MAR-18-02 11:00 MAR-19-02 17:05 mg/L RL	MAR-18-02 11:00 MAR-19-02 17:12 mg/L RL	MAR-18-02 11:00 MAR-19-02 17:18 mg/L RL	MAR-18-02 11:00 MAR-19-02 17:37 mg/L RL
Cobalt		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Tin		BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.500	BRL 0.500
Vanadium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Chlorinated Herbicides by EPA 8151A	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-14-02 08:50 MAR-19-02 03:38 ug/L RL	MAR-14-02 08:55 MAR-19-02 04:31 ug/L RL	MAR-14-02 08:59 MAR-19-02 05:23 ug/L RL	MAR-14-02 09:03 MAR-19-02 06:15 ug/L RL	MAR-14-02 09:06 MAR-19-02 07:08 ug/L RL	MAR-14-02 09:09 MAR-19-02 08:01 ug/L RL
2,4,5-T		BRL 0.500	BRL 0.505	BRL 0.515	BRL 0.505	BRL 0.510	BRL 0.505
2,4,5-TP (Silvex)		BRL 0.500	BRL 0.505	BRL 0.515	BRL 0.505	BRL 0.510	BRL 0.505
2,4-D		BRL 1.00	BRL 1.01	BRL 1.03	BRL 1.01	BRL 1.02	BRL 1.01

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Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

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Date Received in Lab: Tue Mar-12-02 11:00 AM

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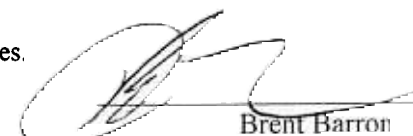
<i>Analysis Requested</i>	<i>Lab ID : Field ID : Depth : Matrix : Sampled :</i>	221355-013 SW-1 1 WATER MAR-08-02 12:50	221355-014 SW-2 1 WATER MAR-08-02 15:00	221355-015 SW-3 1 WATER MAR-08-02 15:30	221355-016 PW-1 75 WATER MAR-08-02 13:40	221355-017 DUP-A 16 WATER MAR-07-02 16:00	221355-018 EQB 0 WATER MAR-08-02 15:45
Organochlorine Pesticides by EPA 8081A	<i>Extracted: Analyzed: Units:</i>	MAR-13-02 15:12 MAR-17-02 00:24 ug/L	MAR-13-02 15:15 MAR-17-02 01:03 ug/L	MAR-13-02 15:19 MAR-17-02 01:41 ug/L	MAR-13-02 15:21 MAR-17-02 02:20 ug/L	MAR-13-02 15:24 MAR-17-02 02:58 ug/L	MAR-13-02 15:28 MAR-17-02 03:37 ug/L
		RL	RL	RL	RL	RL	RL
4,4-DDD		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
4,4-DDE		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
4,4-DDT		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Aldrin		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Alpha-BHC		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Alpha-Chlordane		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Beta-BHC		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Heptachlor Epoxide		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Chlordane		BRL 0.505	BRL 0.510	BRL 0.505	BRL 0.510	BRL 0.505	BRL 0.500
Delta-BHC		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Dieldrin		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Endosulfan I		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Endosulfan II		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Endosulfan Sulfate		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Endrin		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Endrin Ketone		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-013	221355-014	221355-015	221355-016	221355-017	221355-018
	Field ID :	SW-1	SW-2	SW-3	PW-1	DUP-A	EQB
	Depth :	1	1	1	75	16	0
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
Organochlorine Pesticides by EPA 8081A	Sampled :	MAR-08-02 12:50	MAR-08-02 15:00	MAR-08-02 15:30	MAR-08-02 13:40	MAR-07-02 16:00	MAR-08-02 15:45
	Extracted:	MAR-13-02 15:12	MAR-13-02 15:15	MAR-13-02 15:19	MAR-13-02 15:21	MAR-13-02 15:24	MAR-13-02 15:28
	Analyzed:	MAR-17-02 00:24	MAR-17-02 01:03	MAR-17-02 01:41	MAR-17-02 02:20	MAR-17-02 02:58	MAR-17-02 03:37
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Endrin Aldehyde		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Gamma-BHC (Lindane)		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Gamma-Chlordane		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Heptachlor		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Methoxychlor		BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.050
Toxaphene		BRL 0.505	BRL 0.510	BRL 0.505	BRL 0.510	BRL 0.505	BRL 0.500

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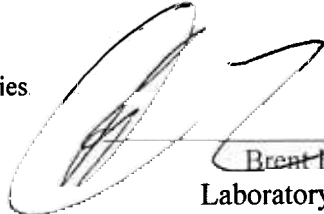
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-013 SW-1 1 WATER MAR-08-02 12:50	221355-014 SW-2 1 WATER MAR-08-02 15:00	221355-015 SW-3 1 WATER MAR-08-02 15:30	221355-016 PW-1 75 WATER MAR-08-02 13:40	221355-017 DUP-A 16 WATER MAR-07-02 16:00	221355-018 EQB 0 WATER MAR-08-02 15:45
Priority Pollutant Metals by EPA 6020	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-14-02 10:45 MAR-14-02 15:20 mg/L	MAR-14-02 10:45 MAR-14-02 15:25 mg/L	MAR-14-02 10:45 MAR-14-02 15:41 mg/L	MAR-14-02 10:45 MAR-14-02 15:47 mg/L	MAR-14-02 10:45 MAR-14-02 15:52 mg/L	MAR-14-02 10:45 MAR-14-02 16:13 mg/L
		RL	RL	RL	RL	RL	RL
Antimony		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Arsenic		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Beryllium		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Cadmium		BRL 0.003	BRL 0.003	BRL 0.003	BRL 0.003	BRL 0.003	BRL 0.003
Chromium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Copper		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Lead		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Mercury		0.0050 0.0010	BRL 0.0010	0.0033 0.0010	0.0017 0.0010	0.0161 0.0010	BRL 0.0010
Nickel		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Selenium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Silver		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	0.159 0.050	BRL 0.050
Thallium		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Zinc		BRL 0.050	BRL 0.050	BRL 0.050	0.204 0.050	0.221 0.050	BRL 0.050

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

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Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

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Report Date: 22-MAR-02

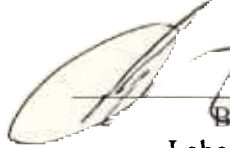
Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-013 SW-1 1 WATER MAR-08-02 12:50	221355-014 SW-2 1 WATER MAR-08-02 15:00	221355-015 SW-3 1 WATER MAR-08-02 15:30	221355-016 PW-1 75 WATER MAR-08-02 13:40	221355-017 DUP-A 16 WATER MAR-07-02 16:00	221355-018 EQB 0 WATER MAR-08-02 15:45
SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:53 MAR-15-02 00:02 mg/L	MAR-13-02 09:58 MAR-15-02 00:49 mg/L	MAR-13-02 10:02 MAR-15-02 01:36 mg/L	MAR-13-02 10:06 MAR-15-02 02:23 mg/L	MAR-13-02 10:09 MAR-15-02 03:10 mg/L	MAR-13-02 10:12 MAR-15-02 03:58 mg/L
		RL	RL	RL	RL	RL	RL
Parathion, Ethyl		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
3,3-Dimethylbenzidine		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Acenaphthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Parathion, Methyl		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Acenaphthylene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Acetophenone		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2-Acetylaminofluorene		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
4-Aminobiphenyl		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Anthracene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(a)anthracene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(a)pyrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(b)fluoranthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(g,h,i)perylene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Benzo(k)fluoranthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
1,3-Dinitrobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
p-Dimethylaminoazobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

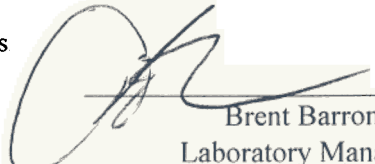
Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-013 SW-1 1 WATER MAR-08-02 12:50	221355-014 SW-2 1 WATER MAR-08-02 15:00	221355-015 SW-3 1 WATER MAR-08-02 15:30	221355-016 PW-1 75 WATER MAR-08-02 13:40	221355-017 DUP-A 16 WATER MAR-07-02 16:00	221355-018 EQB 0 WATER MAR-08-02 15:45
SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:53 MAR-15-02 00:02 mg/L RL	MAR-13-02 09:58 MAR-15-02 00:49 mg/L RL	MAR-13-02 10:02 MAR-15-02 01:36 mg/L RL	MAR-13-02 10:06 MAR-15-02 02:23 mg/L RL	MAR-13-02 10:09 MAR-15-02 03:10 mg/L RL	MAR-13-02 10:12 MAR-15-02 03:58 mg/L RL
2-Aminonaphthalene (Beta Naphthylamine)		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Benzyl alcohol		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Benzyl Butyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
bis(2-chloroethoxy) methane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
bis(2-chloroethyl) ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
bis(2-chloroisopropyl) ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
bis(2-ethylhexyl) phthalate		0.015 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Bromophenyl Phenyl Ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
di-n-Butyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-chloro-3-methylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Chloroaniline		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Chlorobenzilate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2-Chloronaphthalene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2-Chlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Chlorophenyl Phenyl Ether		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Chrysene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002

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Contact: Rob Larson

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SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:53 MAR-15-02 00:02 mg/L	MAR-13-02 09:58 MAR-15-02 00:49 mg/L	MAR-13-02 10:02 MAR-15-02 01:36 mg/L	MAR-13-02 10:06 MAR-15-02 02:23 mg/L	MAR-13-02 10:09 MAR-15-02 03:10 mg/L	MAR-13-02 10:12 MAR-15-02 03:58 mg/L
		RL	RL	RL	RL	RL	RL
Diallate (Total of cis and trans Isomers)		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Dibenz(a,h)Anthracene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Dibenzofuran		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,2-Dichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,3-Dichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,4-Dichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
3,3-Dichlorobenzidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4-Dichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,6-Dichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Diethyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Dimethoate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Dimethyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
7,12-dimethylbenz(a)anthracene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4-Dimethylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4,6-dinitro-2-methyl phenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4-Dinitrophenol		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020

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		RL	RL	RL	RL	RL	RL
2,4-Dinitrotoluene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,6-Dinitrotoluene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Dinoseb		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Diphenylamine		BRL 0.051	BRL 0.050	BRL 0.051	BRL 0.051	BRL 0.051	BRL 0.051
Disulfoton		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Ethyl methanesulfonate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Fluoranthene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Fluorene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Hexachlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Hexachlorobutadiene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Hexachlorocyclopentadiene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Hexachloroethane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Hexachloropropene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Indeno(1,2,3-c,d)Pyrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Isodrin		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Isophorone		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID : Field ID : Depth : Matrix : Sampled :</i>	221355-013 SW-1 1 WATER MAR-08-02 12:50	221355-014 SW-2 1 WATER MAR-08-02 15:00	221355-015 SW-3 1 WATER MAR-08-02 15:30	221355-016 PW-1 75 WATER MAR-08-02 13:40	221355-017 DUP-A 16 WATER MAR-07-02 16:00	221355-018 EQB 0 WATER MAR-08-02 15:45
SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:53 MAR-15-02 00:02 mg/L	MAR-13-02 09:58 MAR-15-02 00:49 mg/L	MAR-13-02 10:02 MAR-15-02 01:36 mg/L	MAR-13-02 10:06 MAR-15-02 02:23 mg/L	MAR-13-02 10:09 MAR-15-02 03:10 mg/L	MAR-13-02 10:12 MAR-15-02 03:58 mg/L
		RL	RL	RL	RL	RL	RL
Isosafrole		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Kepone		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Methapyrilene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Methyl Methanesulfonate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
3-Methylcholanthrene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2-Methylnaphthalene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
2-methylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
3&4-Methylphenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Naphthalene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
1,4-Naphthoquinone		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1-Naphthylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Nitroaniline		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
3-Nitroaniline		BRL 0.025	BRL 0.025	BRL 0.026	BRL 0.025	BRL 0.025	BRL 0.025
2-Nitroaniline		BRL 0.025	BRL 0.025	BRL 0.026	BRL 0.025	BRL 0.025	BRL 0.025
Nitrobenzene		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
5-nitro-o-toluidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-013	221355-014	221355-015	221355-016	221355-017	221355-018
	Field ID :	SW-1	SW-2	SW-3	PW-1	DUP-A	EQB
	Depth :	1	1	1	75	16	0
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 12:50	MAR-08-02 15:00	MAR-08-02 15:30	MAR-08-02 13:40	MAR-07-02 16:00	MAR-08-02 15:45
SVOAs by EPA 8270C	Extracted:	MAR-13-02 09:53	MAR-13-02 09:58	MAR-13-02 10:02	MAR-13-02 10:06	MAR-13-02 10:09	MAR-13-02 10:12
	Analyzed:	MAR-15-02 00:02	MAR-15-02 00:49	MAR-15-02 01:36	MAR-15-02 02:23	MAR-15-02 03:10	MAR-15-02 03:58
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
2-Nitrophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
4-Nitrophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosodiethylamine		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
N-Nitrosodimethylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosodi-n-Propylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosodiphenylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosomethylethylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitrosopiperidine		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
N-Nitrosopyrrolidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
di-n-Octyl Phthalate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Pentachlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Pentachloronitrobenzene (PCNB)		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Pentachlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Phenacetin		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Phenanthrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
p-Phenylenediamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

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Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

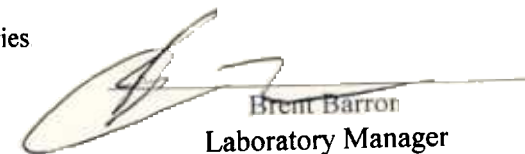
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

<i>Analysis Requested</i>	<i>Lab ID :</i> <i>Field ID :</i> <i>Depth :</i> <i>Matrix :</i> <i>Sampled :</i>	221355-013 SW-1 1 WATER MAR-08-02 12:50	221355-014 SW-2 1 WATER MAR-08-02 15:00	221355-015 SW-3 1 WATER MAR-08-02 15:30	221355-016 PW-1 75 WATER MAR-08-02 13:40	221355-017 DUP-A 16 WATER MAR-07-02 16:00	221355-018 EQB 0 WATER MAR-08-02 15:45
SVOAs by EPA 8270C	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-13-02 09:53 MAR-15-02 00:02 mg/L	MAR-13-02 09:58 MAR-15-02 00:49 mg/L	MAR-13-02 10:02 MAR-15-02 01:36 mg/L	MAR-13-02 10:06 MAR-15-02 02:23 mg/L	MAR-13-02 10:09 MAR-15-02 03:10 mg/L	MAR-13-02 10:12 MAR-15-02 03:58 mg/L
		RL	RL	RL	RL	RL	RL
Phorate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Pronamide		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Pyrene		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002
Safrole		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,2,4,5-Tetrachlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
N-Nitroso-di-N-Butylamine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,3,4,6-Tetrachlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
o-Toluidine		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
1,2,4-Trichlorobenzene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4,6-Trichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
2,4,5-Trichlorophenol		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
O,O,O-Triethylphosphorothioate		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Sulfide by EPA 376.2	<i>Extracted:</i> <i>Analyzed:</i> <i>Units:</i>	MAR-14-02 12:10 mg/L	MAR-14-02 12:20 mg/L	MAR-14-02 12:25 mg/L	MAR-14-02 12:30 mg/L	MAR-14-02 12:35 mg/L	MAR-14-02 12:40 mg/L
		RL	RL	RL	RL	RL	RL
Sulfide, Total		BRL 5.00	BRL 5.00	BRL 5.00	BRL 5.00	BRL 5.00	BRL 5.00

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Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-013	221355-014	221355-015	221355-016	221355-017	221355-018
	Field ID :	SW-1	SW-2	SW-3	PW-1	DUP-A	EQB
	Depth :	1	1	1	75	16	0
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 12:50	MAR-08-02 15:00	MAR-08-02 15:30	MAR-08-02 13:40	MAR-07-02 16:00	MAR-08-02 15:45
Total Cyanide by EPA 335.2	Extracted:						
	Analyzed:	MAR-14-02 17:40	MAR-14-02 17:45	MAR-15-02 16:15	MAR-15-02 16:20	MAR-15-02 16:25	MAR-15-02 16:30
	Units:	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL	mg/L RL
Cyanide, Total		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020

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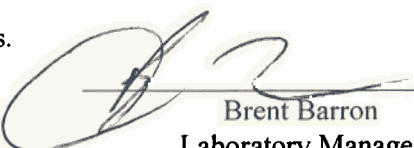
Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID :	221355-013	221355-014	221355-015	221355-016	221355-017	221355-018
	Field ID :	SW-1	SW-2	SW-3	PW-1	DUP-A	EQB
	Depth :	1	1	1	75	16	0
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 12:50	MAR-08-02 15:00	MAR-08-02 15:30	MAR-08-02 13:40	MAR-07-02 16:00	MAR-08-02 15:45
VOAs by SW-846 8260	Extracted:	MAR-15-02 15:16	MAR-15-02 15:18	MAR-15-02 15:20	MAR-15-02 15:22	MAR-15-02 15:24	MAR-15-02 15:26
	Analyzed:	MAR-15-02 19:43	MAR-15-02 20:03	MAR-15-02 20:24	MAR-15-02 20:44	MAR-15-02 21:04	MAR-15-02 21:25
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
Acetone		BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100
Acetonitrile		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Acrolein		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Acrylonitrile		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Allyl Chloride (3-Chloropropene)		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Benzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromochloromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromodichloromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromoform		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Bromomethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
2-Butanone		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Carbon Disulfide		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Carbon Tetrachloride		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Chlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Chloroethane		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Chloroform		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005

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Analysis Requested	Lab ID :	221355-013		221355-014		221355-015		221355-016		221355-017		221355-018	
	Field ID :	SW-1		SW-2		SW-3		PW-1		DUP-A		EQB	
	Depth :	1		1		1		75		16		0	
	Matrix :	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled :	MAR-08-02 12:50		MAR-08-02 15:00		MAR-08-02 15:30		MAR-08-02 13:40		MAR-07-02 16:00		MAR-08-02 15:45	
VOAs by SW-846 8260	Extracted:	MAR-15-02 15:16		MAR-15-02 15:18		MAR-15-02 15:20		MAR-15-02 15:22		MAR-15-02 15:24		MAR-15-02 15:26	
	Analyzed:	MAR-15-02 19:43		MAR-15-02 20:03		MAR-15-02 20:24		MAR-15-02 20:44		MAR-15-02 21:04		MAR-15-02 21:25	
	Units:	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
		RL		RL		RL		RL		RL		RL	
Chloromethane		BRL	0.010	BRL	0.010	BRL	0.010	BRL	0.010	BRL	0.010	BRL	0.010
Chloroprene		BRL	0.020	BRL	0.020	BRL	0.020	BRL	0.020	BRL	0.020	BRL	0.020
1,2-Dibromo-3-Chloropropane		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Dibromochloromethane		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
1,2-Dibromoethane (Ethylene Dibromide)		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Dibromomethane		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
1,4-Dichloro-2-Butene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
1,2-Dichlorobenzene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
1,3-Dichlorobenzene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
1,4-Dichlorobenzene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Dichlorodifluoromethane		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
1,2-Dichloroethane		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
1,1-Dichloroethane		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
trans-1,2-dichloroethene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
cis-1,2-Dichloroethene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
1,1-Dichloroethene		BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005

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Contact: Rob Larson

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	Field ID :	SW-1	SW-2	SW-3	PW-1	DUP-A	EQB
	Depth :	1	1	1	75	16	0
	Matrix :	WATER	WATER	WATER	WATER	WATER	WATER
	Sampled :	MAR-08-02 12:50	MAR-08-02 15:00	MAR-08-02 15:30	MAR-08-02 13:40	MAR-07-02 16:00	MAR-08-02 15:45
VOAs by SW-846 8260	Extracted:	MAR-15-02 15:16	MAR-15-02 15:18	MAR-15-02 15:20	MAR-15-02 15:22	MAR-15-02 15:24	MAR-15-02 15:26
	Analyzed:	MAR-15-02 19:43	MAR-15-02 20:03	MAR-15-02 20:24	MAR-15-02 20:44	MAR-15-02 21:04	MAR-15-02 21:25
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		RL	RL	RL	RL	RL	RL
2,2-Dichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,3-Dichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2-Dichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
trans-1,3-dichloropropene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1-Dichloropropene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
cis-1,3-Dichloropropene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Ethyl Methacrylate		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Ethylbenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Hexachlorobutadiene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Isobutanol		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
2-Hexanone		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Methyl Iodide		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Methacrylonitrile		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Methyl Methacrylate		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
4-Methyl-2-Pentanone		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
Naphthalene		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.

BRL = Below Reporting Limit


Brent Barron
Laboratory Manager



Certificate of Analysis Summary 221355

Levine Fricke (LFR), Tampa, FL

Project Name: 515 Hobe Sound

Project ID: 6055-01-1

Contact: Rob Larson

Project Location: Hobe Sound, FL

Quote Number:

Fax Number: 813-661-6043

Date Received in Lab: Tue Mar-12-02 11:00 AM

Report Date: 22-MAR-02

Project Manager: Patricia Quintana

Analysis Requested	Lab ID : Field ID : Depth : Matrix : Sampled :	221355-013 SW-1 1 WATER MAR-08-02 12:50	221355-014 SW-2 1 WATER MAR-08-02 15:00	221355-015 SW-3 1 WATER MAR-08-02 15:30	221355-016 PW-1 75 WATER MAR-08-02 13:40	221355-017 DUP-A 16 WATER MAR-07-02 16:00	221355-018 EQB 0 WATER MAR-08-02 15:45
VOAs by SW-846 8260	Extracted: Analyzed: Units:	MAR-15-02 15:16 MAR-15-02 19:43 mg/L	MAR-15-02 15:18 MAR-15-02 20:03 mg/L	MAR-15-02 15:20 MAR-15-02 20:24 mg/L	MAR-15-02 15:22 MAR-15-02 20:44 mg/L	MAR-15-02 15:24 MAR-15-02 21:04 mg/L	MAR-15-02 15:26 MAR-15-02 21:25 mg/L
		RL	RL	RL	RL	RL	RL
Styrene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,1,2-Tetrachloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,2,2-Tetrachloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Toluene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2,4-Trichlorobenzene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,2-Trichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,1,1-Trichloroethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Trichloroethene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Trichlorofluoromethane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
1,2,3-Trichloropropane		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Vinyl Acetate		BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050	BRL 0.050
o-y lene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
m,p-Xylenes		BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010	BRL 0.010
Methylene Chloride		BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020	BRL 0.020
Tetrachloroethylene		BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005	BRL 0.005
Vinyl Chloride		BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002	BRL 0.002

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BRL = Below Reporting Limit


Brent Barron
Laboratory Manager



Blank Spike Recovery

Project Name: 515 Hobe Sound

Work Order #: 221355

Project ID:

6055-01-1

Lab Batch #: 622205

Sample: 351433-1-BLK

Matrix:

Water

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Table III Metals by EPA 6020 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Cobalt	<0.050	1.11	1.18	106	75-125	
Tin	<0.500	2.22	2.78	125	75-125	
Vanadium	<0.050	1.11	1.11	100	75-125	

Lab Batch #: 622075

Sample: 351351-1-BLK

Matrix:

Water

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Aluminum	<0.050	4.44	4.89	110	75-125	
Antimony	<0.050	2.22	2.47	111	75-125	
Arsenic	<0.050	1.11	1.32	119	75-125	
Barium	<0.050	1.11	1.20	108	75-125	
Beryllium	<0.005	0.444	0.493	111	75-125	
Cadmium	0.005	0.444	0.484	109	75-125	
Chromium	<0.050	1.11	1.31	118	75-125	
Copper	<0.050	1.11	1.27	114	75-125	
Lead	<0.010	2.22	2.29	103	75-125	
Mercury	<0.0020	0.0056	0.0056	100	75-125	
Nickel	<0.050	1.11	1.34	121	75-125	
Selenium	<0.050	1.11	1.16	105	75-125	
Silver	<0.050	2.22	2.33	105	75-125	
Thallium	<0.050	1.11	1.29	116	75-125	
Zinc	<0.050	1.11	1.36	123	75-125	

Lab Batch #: 622091

Sample: 622091-1-BLK

Matrix:

Water

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Sulfide by EPA 376.2 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Sulfide, Total	<5.00	1060	1060	100	75-120	

Blank Spike Recovery [D] = $100 \times (C-A)/[B]$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery

Project Name: 515 Hobe Sound

Work Order #: 221355

Lab Batch #: 622124

Reporting Units: mg/kg

Sample: 622124-1-BLK

Batch #: 1

Project ID:

6055-01-1

Matrix:

Water

BLANK /BLANK SPIKE RECOVERY STUDY

Total Cyanide by EPA 335.2	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
Cyanide, Total	<0.020	0.400	0.392	98	80-120	

Lab Batch #: 622128

Sample: 622128-1-BLK

Reporting Units: mg/L

Batch #: 1

Matrix:

Water

BLANK /BLANK SPIKE RECOVERY STUDY

Total Cyanide by EPA 335.2	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
Cyanide, Total	<0.020	0.400	0.406	102	80-120	

Lab Batch #: 622129

Sample: 622129-1-BLK

Reporting Units: mg/L

Batch #: 1

Matrix:

Water

BLANK /BLANK SPIKE RECOVERY STUDY

Total Cyanide by EPA 335.2	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
Cyanide, Total	<0.020	0.400	0.418	105	80-120	

Lab Batch #: 622145

Sample: 351392-1-BLK

Reporting Units: mg/L

Batch #: 1

Matrix:

Water

BLANK /BLANK SPIKE RECOVERY STUDY

VOAs by SW-846 8260	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Analytes						
Benzene	<0.005	0.050	0.052	104	66-142	
Chlorobenzene	<0.005	0.050	0.052	104	60-133	
1,1-Dichloroethene	<0.005	0.050	0.051	102	59-172	
Toluene	<0.005	0.050	0.051	102	59-139	
Trichloroethene	<0.005	0.050	0.050	100	62-137	

Blank Spike Recovery [D] = $100 \times (C-A)/[B]$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery

Project Name: 515 Hobe Sound

Work Order #: 221355

Lab Batch #: 622177

Reporting Units: mg/L

Sample: 351410-1-BLK

Batch #: 1

Project ID:

6055-01-1

Matrix:

Water

BLANK /BLANK SPIKE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	<0.005	0.050	0.051	102	66-142	
Ethylbenzene	<0.005	0.050	0.051	102	75-135	
Toluene	<0.005	0.050	0.050	100	59-139	
o-Xylene	<0.005	0.050	0.051	102	75-135	
m,p-Xylenes	<0.010	0.100	0.102	102	75-135	

Blank Spike Recovery [D] = $100 \times (C-A)/[B]$

All results are based on MDL and validated for QC purposes.



Form 3 - M / MSD Recoveries

Project Name: 515 Hobe Sound

Work Order #: 221355

Project ID: 6055-01-1

Lab Batch ID: 622177

QC- Sample ID: 221282-003

Matrix: Water

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
BTEX by EPA 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.005	0.050	0.050	100	0.050	0.050	100	0	66-142	21	
Ethylbenzene	<0.005	0.050	0.051	102	0.050	0.051	102	0	75-135	20	
Toluene	<0.005	0.050	0.049	98	0.050	0.049	98	0	59-139	21	
o-Xylene	<0.005	0.050	0.051	102	0.050	0.051	102	0	75-135	20	
m,p-Xylenes	<0.010	0.100	0.102	102	0.100	0.101	101	1	75-135	20	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$

Matrix Spike Duplicate Percent Recovery $[F] = 100 \cdot (F-A)/E$
All Results are based on MDL and validated for QC purposes



Form 3 - MS Recoveries

Project Name: 515 Hobe Sound

Work Order #: 221355

Lab Batch #: 622205

QC- Sample ID: 221355-001

Reporting Units: mg/L

Project ID: 6055-01-1

Matrix: Water

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Table III Metals by EPA 6020	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Cobalt	<0.050	1.11	1.16	105	75-125	
Tin	<0.500	2.22	2.67	120	75-125	
Vanadium	<0.050	1.11	1.13	102	75-125	

Lab Batch #: 622075

QC- Sample ID: 221384-001

Reporting Units: mg/L

Matrix: Water

MATRIX / MATRIX SPIKE RECOVERY STUDY						
Metals by EPA 200.8	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes						
Aluminum	0.359	4.44	5.15	108	75-125	
Antimony	<0.050	2.22	2.65	119	75-125	
Arsenic	<0.050	1.11	1.25	113	75-125	
Barium	0.206	1.11	1.64	129	75-125	X
Beryllium	<0.005	0.444	0.462	104	75-125	
Cadmium	<0.005	0.444	0.472	106	75-125	
Chromium	<0.050	1.11	1.22	110	75-125	
Copper	<0.050	1.11	1.13	102	75-125	
Lead	<0.010	2.22	2.76	124	75-125	
Mercury	<0.0020	0.0111	0.0106	95	75-125	
Nickel	<0.050	1.11	1.16	105	75-125	
Selenium	<0.050	1.11	1.21	109	75-125	
Silver	<0.050	2.22	2.46	111	75-125	
Thallium	<0.050	1.11	1.22	110	75-125	
Zinc	<0.050	1.11	1.17	105	75-125	

Spike Percent Recovery [D] = $100 \times (C-A)/B$
Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes



Sample Duplicate Recovery

Project Name: 515 Hobe Sound

Work Order #: 221355

Lab Batch #: 622205

QC- Sample ID: 221355-001

Project ID: 6055-01-1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Table III Metals by EPA 6020	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Cobalt	<0.050	<0.050	NC	20	
Tin	<0.500	<0.500	NC	20	
Vanadium	<0.050	<0.050	NC	20	

Lab Batch #: 622075

QC- Sample ID: 221384-001

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Metals by EPA 200.8	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Aluminum	0.359	0.302	17	25	
Antimony	<0.050	<0.050	NC	25	
Arsenic	<0.050	<0.050	NC	25	
Barium	0.206	0.197	4	25	
Beryllium	<0.005	<0.005	NC	25	
Cadmium	<0.005	<0.005	NC	25	
Chromium	<0.050	<0.050	NC	25	
Copper	<0.050	<0.050	NC	25	
Lead	<0.010	<0.010	NC	25	
Mercury	<0.0020	<0.0020	NC	25	
Nickel	<0.050	<0.050	NC	25	
Selenium	<0.050	<0.050	NC	25	
Silver	<0.050	<0.050	NC	25	
Thallium	<0.050	<0.050	NC	25	
Zinc	<0.050	<0.050	NC	25	

Lab Batch #: 622091

QC- Sample ID: 221355-001

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Sulfide by EPA 376.2	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Sulfide, Total	<5.00	<5.00	NC	20	

Spike Relative Difference RPD $200 \times (B-A)/(B+A)$

All Results are based on MDL and validated for QC purposes.



Sample Duplicate Recovery

Project Name: 515 Hobe Sound

Work Order #: 221355

Lab Batch #: 622091

QC- Sample ID: 221355-011

Project ID: 6055-01-1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Sulfide by EPA 376.2 Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Sulfide, Total	<5.00	<5.00	NC	20	

Lab Batch #: 622124

QC- Sample ID: 221355-008

Matrix: Water

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Total Cyanide by EPA 335.2 Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Cyanide, Total	<0.020	<0.020	NC	20	

Lab Batch #: 622128

QC- Sample ID: 221384-001

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Total Cyanide by EPA 335.2 Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Cyanide, Total	<0.020	<0.020	NC	20	

Lab Batch #: 622129

QC- Sample ID: 221355-009

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Total Cyanide by EPA 335.2 Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Cyanide, Total	<0.020	<0.020	NC	20	

Spike Relative Difference RPD $200 \times (B-A)/(B+A)$

All Results are based on MDL and validated for QC purposes.



BS / BSD Recoveries

Project Name: 515 Hobe Sound

Work Order #: 221355

Lab Batch ID: 622184

Sample: 351416-1-BLK

Batch #: 1

Project ID: 6055-01-1

Matrix: Water

Units: ug/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Chlorinated Herbicides by EPA 8151A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
2,4,5-T	<0.500	10.0	7.02	70	10.0	7.13	71	1	30-159	25	
2,4,5-Tp	<0.500	10.0	7.08	71	10.0	7.15	72	1	32-140	25	
2,4-D	<1.00	10.0	6.95	70	10.0	7.10	71	1	10-189	25	

Lab Batch ID: 622186

Sample: 351417-1-BLK

Batch #: 1

Matrix: Water

Units: ug/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Organochlorine Pesticides by EPA 8081A Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
4,4-DDT	<0.050	1.00	0.924	92	1.00	0.925	93	1	34-143	20	
Aldrin	<0.050	1.00	0.864	86	1.00	0.847	85	1	47-125	20	
Dieldrin	<0.050	1.00	0.877	88	1.00	0.856	86	2	42-132	20	
Endrin	<0.050	1.00	0.908	91	1.00	0.874	87	4	43-134	20	
Endrin Ketone	<0.050	1.00	0.886	89	1.00	0.862	86	3	75-125	20	
Gamma-BHC (Lindane)	<0.050	1.00	0.899	90	1.00	0.878	88	2	73-125	20	
Heptachlor	<0.050	1.00	0.844	84	1.00	0.821	82	2	45-128	20	

Relative Percent Difference RPD = $200 \times |(D-G)/(D+G)|$

Blank Spike Recovery [D] = $100 \times (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 \times (F)/[E]$

All results are based on MDL and Validated for QC Purposes



FLAGGING CRITERIA

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/ MSD recoveries were found to be outside of the laboratory control limits due to possible matrix / chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported outside the laboratory control limits. Data were reviewed by QA and samples were reanalyzed or flagged as appropriate.



CERTIFICATE OF ANALYSIS

No. 221355-003

Project Information:

Client: LFR LEVINE FRICKE

Project Manager: ROB LARSON

Project Name: 515 HOBE SOUND

Project ID: 6055 - 01 - 1

Project Location: HOBE SOUND, FL

Field Sample ID:	MW - 3
Lab ID No.: 221355-003	Date Extracted: 03-14-02
Date Sampled: 03-07-02	Time Extracted: 11:30 MAD
Date Received: 03-12-02	Date Analyzed: 03-21-02
Sample Matrix: Liquid	Time Analyzed: 04:59 CAG

Analytical Method:	METHOD 8280, DIOXIN & FURANS
--------------------	------------------------------

Analyte	Result ppb	Retention (minutes)	RL (ppb)	Mass Ratio	QC Limits
2,3,7,8-TCDD	ND	28.38	0.010	0.05	0.65-0.89
1,2,3,7,8-PeCDD	ND	34.24	0.026	0.32	0.55-0.75
1,2,3,4,7,8-HxCDD	ND	37.29	0.026	0.33	0.69-0.93
1,2,3,6,7,8-HxCDD	ND	38.19	0.026	0.00	0.69-0.93
1,2,3,7,8,9-HxCDD	ND	38.58	0.026	2.28	0.69-0.93
1,2,3,4,6,7,8-HpCDD	ND	41.68	0.026	0.00	0.83-1.12
OCDD	ND	45.52	0.051	0.60	0.75-1.01
2,3,7,8-TCDF	ND	27.41	0.010	0.00	0.65-0.89
1,2,3,7,8-PeCDF	ND	32.90	0.026	0.00	0.55-0.75
2,3,4,7,8-PeCDF	ND	33.88	0.026	9.93	0.55-0.75
1,2,3,4,7,8-HxCDF	ND	37.29	0.026	1.89	0.69-0.93
1,2,3,6,7,8-HxCDF	ND	37.33	0.026	1.02	0.69-0.93
2,3,4,6,7,8-HxCDF	ND	38.03	0.026	0.58	0.69-0.93
1,2,3,7,8,9-HxCDF	ND	38.86	0.026	0.00	0.69-0.93
1,2,3,4,6,7,8-HpCDF	ND	40.49	0.026	0.00	0.83-1.12
1,2,3,4,7,8,9-HpCDF	ND	42.22	0.026	0.62	0.83-1.12
OCDF	ND	45.68	0.051	0.29	0.75-1.01
Total TCDD	ND				
Total PeCDD	ND				
Total HxCDD	ND				
Total HpCDD	ND				
Total TCDF	ND				
Total PeCDF	ND				
Total HxCDF	ND				
Total HpCDF	ND				

** Estimated Maximum Potential Concentration

* Result beyond calibration limit

Sample Size: 990 ml.

Concentration Factor: 9900

CC3_W410_000000-CC3

C:\HPCHEM\4\DATA\0320d\02\A44-015.D

B.S. Middleton

Brent Barron, II
Laboratory Manager



CERTIFICATE OF ANALYSIS
No. 221355-003

Project Information:

Client: LFR LEVINE FRICKE
Project Name: 515 HOBE SOUND
Project Location: HOBE SOUND, FL

Project Manager: ROB LARSON
Project ID: 6055 - 01 - 1

Field Sample ID:	MW - 3
-------------------------	---------------

Lab ID No.: 221355-003
Date Sampled: 03-07-02
Date Received: 03-12-02
Sample Matrix: Liquid

Date Extracted: 03-14-02
Time Extracted: 11:30
Date Analyzed: 03-21-02
Time Analyzed: 04:59
MAD
CAG

QUALITY CONTROL

Internal Standards

	% Recovery	QC Limits	Retent Time	Mass Ratio	QC Limits
2,3,7,8-TCDD(13C12)	90.70	40%-120%	28.40	0.80	0.65-0.89
2,3,7,8-TCDF(13C12)	83.19	40%-120%	27.42	0.76	0.65-0.89
1,2,3,6,7,8-HxCDD(13C12)	90.05	40%-120%	38.19	0.78	0.69-0.93
1,2,3,4,6,7,8-HpCDF(13C12)	87.43	40%-120%	40.56	0.88	0.83-1.12
OCDD(13C12)	93.03	25%-120%	45.50	0.91	0.75-1.01

Cleanup Standard

2,3,7,8-TCDD(37CL4)	83.22	40%-120%	28.42		
---------------------	-------	----------	-------	--	--

Recovery Standards

1,2,3,4-TCDD(13C12)	---	---	28.10	0.81	0.65-0.89
1,2,3,7,8,9-HxCDD(13C12)	---	---	38.55	0.77	0.69-0.93



Certificate of Quality Control for COC: 221355

SW846-8280 Dioxins and Furans

Date Validated: 03-21-02

Analyst: CAG

Date Analyzed: 03-21-02

Matrix: Water

LABORATORY CONTROL BLANK / LABORATORY SPIKE RECOVERY

Q.C. SAMPLES LCB / LCS	[A]	[B]	[C]	[D]	[E]	[F]	QUALIFIER
	LCB	LCS	Spike	Detection	QC	Spike	
	Result	Result	Amount	Limit	Spike Recovery	Recovery Range	
Parameter	ppb	ppb	ppb	ppb	%	%	
2,3,7,8-TCDD	ND	0.026	0.025	0.010	104.00	50-150	
1,2,3,7,8-PeCDD	ND	0.057	0.062	0.025	91.94	50-150	
1,2,3,6,7,8-HxCDD	ND	0.053	0.062	0.025	85.48	50-150	
1,2,3,4,6,7,8-HpCDD	ND	0.059	0.062	0.025	95.16	50-150	
OCDD	ND	0.145	0.125	0.050	116.00	50-150	
2,3,7,8-TCDF	ND	0.025	0.025	0.010	100.00	50-150	
1,2,3,7,8-PeCDF	ND	0.062	0.062	0.025	100.00	50-150	
1,2,3,6,7,8-HxCDF	ND	0.054	0.062	0.025	87.10	50-150	
1,2,3,4,6,7,8-HpCDF	ND	0.062	0.062	0.025	100.00	50-150	
OCDF	ND	0.129	0.125	0.050	103.20	50-150	

Matrix Spike Recovery [E]=100*(B-A)/[C]

N.D.= Below detection limit or not detected

Houston - Dallas - San Antonio - Tampa - Miami



CERTIFICATE OF ANALYSIS
No. BLK-BLK

Project Information:

Client: LFR LEVINE FRICKE

Project Manager: ROB LARSON

Project Name: 515 HOBE SOUND

Project ID: 6055 - 01 - 1

Project Location: HOBE SOUND, FL

Field Sample ID:	N/A	
Lab ID No.: BLK-BLK	Date Extracted: 03-14-02	
Date Sampled: N/A	Time Extracted: 11:20	MAD
Date Received: N/A	Date Analyzed: 03-21-02	
Sample Matrix: Liquid	Time Analyzed: 03:13	CAG

Analytical Method:	METHOD 8280, DIOXIN & FURANS	
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Analyte	Result ppb	Retention (minutes)	RL (ppb)	Mass Ratio	QC Limits
2,3,7,8-TCDD	ND	28.37	0.010	0.00	0.65-0.89
1,2,3,7,8-PeCDD	ND	34.28	0.026	0.13	0.55-0.75
1,2,3,4,7,8-HxCDD	ND	37.24	0.026	1.05	0.69-0.93
1,2,3,6,7,8-HxCDD	ND	38.17	0.026	1.10	0.69-0.93
1,2,3,7,8,9-HxCDD	ND	38.58	0.026	0.43	0.69-0.93
1,2,3,4,6,7,8-HpCDD	ND	41.66	0.026	1.80	0.83-1.12
OCDD	ND	45.50	0.050	0.37	0.75-1.01
2,3,7,8-TCDF	ND	27.33	0.010	0.02	0.65-0.89
1,2,3,7,8-PeCDF	ND	32.93	0.026	0.52	0.55-0.75
2,3,4,7,8-PeCDF	ND	33.79	0.026	0.00	0.55-0.75
1,2,3,4,7,8-HxCDF	ND	37.24	0.026	0.00	0.69-0.93
1,2,3,6,7,8-HxCDF	ND	37.36	0.026	0.00	0.69-0.93
2,3,4,6,7,8-HxCDF	ND	37.96	0.026	0.00	0.69-0.93
1,2,3,7,8,9-HxCDF	ND	38.79	0.026	0.88	0.69-0.93
1,2,3,4,6,7,8-HpCDF	ND	40.47	0.026	0.00	0.83-1.12
1,2,3,4,7,8,9-HpCDF	ND	42.13	0.026	0.00	0.83-1.12
OCDF	ND	45.65	0.050	0.00	0.75-1.01
Total TCDD	ND				
Total PeCDD	ND				
Total HxCDD	ND				
Total HpCDD	ND				
Total TCDF	ND				
Total PeCDF	ND				
Total HxCDF	ND				
Total HpCDF	ND				

** Estimated Maximum Potential Concentration

* Result beyond calibration limit

Sample Size: 1000 ml.

Concentration Factor: 10000

CC3 ,W,410,000000-CC3

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Brent Barron, II
Laboratory Manager



CERTIFICATE OF ANALYSIS
No. BLK-BLK

Project Information:

Client: LFR LEVINE FRICKE
Project Name: 515 HOBE SOUND
Project Location: HOBE SOUND, FL

Project Manager: ROB LARSON
Project ID: 6055 - 01 - 1

Field Sample ID:	N/A
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Lab ID No.: BLK-BLK
Date Sampled: N/A
Date Received: N/A
Sample Matrix: Liquid

Date Extracted: 03-14-02
Time Extracted: 11:20
Date Analyzed: 03-21-02
Time Analyzed: 03:13

MAD
CAG

QUALITY CONTROL

Internal Standards

	% Recovery	QC Limits	Retent Time	Mass Ratio	QC Limits
2,3,7,8-TCDD(13C12)	83.22	40%-120%	28.38	0.81	0.65-0.89
2,3,7,8-TCDF(13C12)	83.19	40%-120%	27.41	0.76	0.65-0.89
1,2,3,6,7,8-HxCDD(13C12)	90.05	40%-120%	38.19	0.79	0.69-0.93
1,2,3,4,6,7,8-HpCDF(13C12)	87.43	40%-120%	40.55	0.87	0.83-1.12
OCDD(13C12)	91.26	25%-120%	45.49	0.91	0.75-1.01

Cleanup Standard

2,3,7,8-TCDD(37CL4)

83.22 40%-120%

28.41

Recovery Standards

1,2,3,4-TCDD(13C12)

28.08

0.79

0.65-0.89

1,2,3,7,8,9-HxCDD(13C12)

38.56

0.78

0.69-0.93



CERTIFICATE OF ANALYSIS

No. BKS-BKS

Project Information:

Client: LFR LEVINE FRICKE

Project Manager: ROB LARSON

Project Name: 515 HOBE SOUND

Project ID: 6055 - 01 - 1

Project Location: HOBE SOUND, FL

Field Sample ID:	N/A
Lab ID No.: BKS-BKS	Date Extracted: 03-14-02
Date Sampled: N/A	Time Extracted: 11:24 MAD
Date Received: N/A	Date Analyzed: 03-21-02
Sample Matrix: Liquid	Time Analyzed: 04:06 CAG

Analytical Method:	METHOD 8280, DIOXIN & FURANS
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Analyte	Result ppb	Retention (minutes)	RL (ppb)	Mass Ratio	QC Limits
2,3,7,8-TCDD	0.026	28.41	0.010	0.75	0.65-0.89
1,2,3,7,8-PeCDD	0.057	34.22	0.026	0.65	0.55-0.75
1,2,3,4,7,8-HxCDD	0.053	37.24	0.026	0.79	0.69-0.93
1,2,3,6,7,8-HxCDD	ND	38.20	0.026	0.79	0.69-0.93
1,2,3,7,8,9-HxCDD	ND	38.57	0.026	0.88	0.69-0.93
1,2,3,4,6,7,8-HpCDD	0.059	41.71	0.026	0.94	0.83-1.12
OCDD	0.145	45.49	0.050	0.96	0.75-1.01
2,3,7,8-TCDF	0.025	27.44	0.010	0.74	0.65-0.89
1,2,3,7,8-PeCDF	0.062	32.87	0.026	0.63	0.55-0.75
2,3,4,7,8-PeCDF	ND	33.80	0.026	0.00	0.55-0.75
1,2,3,4,7,8-HxCDF	ND	37.24	0.026	0.18	0.69-0.93
1,2,3,6,7,8-HxCDF	0.054	37.36	0.026	0.79	0.69-0.93
2,3,4,6,7,8-HxCDF	ND	37.95	0.026	0.00	0.69-0.93
1,2,3,7,8,9-HxCDF	ND	38.84	0.026	0.00	0.69-0.93
1,2,3,4,6,7,8-HpCDF	0.062	40.57	0.026	0.96	0.83-1.12
1,2,3,4,7,8,9-HpCDF	ND	42.14	0.026	0.00	0.83-1.12
OCDF	0.129	45.67	0.050	0.99	0.75-1.01
Total TCDD	0.026				
Total PeCDD	0.057				
Total HxCDD	0.053				
Total HpCDD	0.059				
Total TCDF	0.025				
Total PeCDF	0.062				
Total HxCDF	0.542				
Total HpCDF	0.062				

**** Estimated Maximum Potential Concentration***** Result beyond calibration limit**

Sample Size: 1000 ml.

Concentration Factor: 10000

CC3 ,W410,000000-CC3

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Brent Barron, II
Laboratory Manager



CERTIFICATE OF ANALYSIS
No. BKS-BKS

Project Information:

Client: LFR LEVINE FRICKE
Project Name: 515 HOBE SOUND
Project Location: HOBE SOUND, FL

Project Manager: ROB LARSON
Project ID: 6055 - 01 - 1

Field Sample ID:	N/A
-------------------------	------------

Lab ID No.: BKS-BKS
Date Sampled: N/A
Date Received: N/A
Sample Matrix: Liquid

Date Extracted: 03-14-02
Time Extracted: 11:24 MAD
Date Analyzed: 03-21-02
Time Analyzed: 04:06 CAG

QUALITY CONTROL

Internal Standards

	% Recovery	QC Limits	Retent Time	Mass Ratio	QC Limits
2,3,7,8-TCDD(13C12)	87.23	40%-120%	28.39	0.81	0.65-0.89
2,3,7,8-TCDF(13C12)	83.19	40%-120%	27.41	0.75	0.65-0.89
1,2,3,6,7,8-HxCDD(13C12)	90.05	40%-120%	38.20	0.80	0.69-0.93
1,2,3,4,6,7,8-HpCDF(13C12)	87.43	40%-120%	40.56	0.88	0.83-1.12
OCDD(13C12)	98.07	25%-120%	45.49	0.92	0.75-1.01

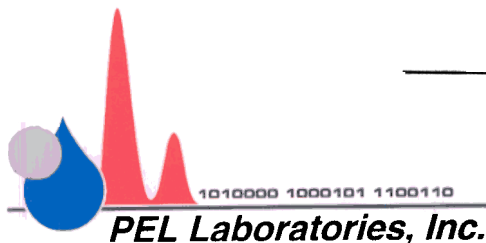
Cleanup Standard

2,3,7,8-TCDD(37CL4)

83.22	40%-120%	28.41
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Recovery Standards

1,2,3,4-TCDD(13C12)	---	---	28.10	0.84	0.65-0.89
1,2,3,7,8,9-HxCDD(13C12)	---	---	38.57	0.80	0.69-0.93



- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

Report Date:

03/18/2002

To: Brent Baron
Xenco Laboratories
11381 Meadowglen
Houston, TX 77082

W 281-589-0692
F 281-589-0695

PROJECT ID: 03/11/02

WORK ORDER: 2202192

DATE RECEIVED: Monday, March 11, 2002

Project Notes:

(†): Short Hold Time Analysis Date

PEL Contact: Mark Gudnason / extension: 242

4420 Pendola Point Road • Tampa, Florida 33619
(813) 247-2805 • FAX: (813) 248-1537

Page: 1 of 20

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219201

Client ID : MW-12

Matrix : Water

Collection Information:

Sample Date: 3/8/2002 11:55:00 AM

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides	EPA 8141						
Azinphos methyl	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Ethion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Malathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate	EPA 8141	61.6	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219203

Client ID : SW-1

Matrix : Water

Collection Information:

Sample Date: 3/8/2002 12:50:00 PM

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides							
Azinphos methyl		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s		ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton		ND	3/15/2002	03/13/02	ug/L	10	
Ethion		ND	3/15/2002	03/13/02	ug/L	10	
Malathion		ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion		ND	3/15/2002	03/13/02	ug/L	10	
Parathion		ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate		54.1 J4	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219204

Client ID : SW-2

Matrix : Water

Collection Information:

Sample Date: 3/8/2002 1:00:00 PM

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides	EPA 8141						
Azinphos methyl	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Demeton-s	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Ethion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Malathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
TPP-Triphenylphosphate	EPA 8141	58.3 J4	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219205

Client ID : SW-3

Matrix : Water

Collection Information:

Sample Date: 3/8/2002 1:30:00 PM

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides							
Azinphos methyl		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s		ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton		ND	3/15/2002	03/13/02	ug/L	10	
Ethion		ND	3/15/2002	03/13/02	ug/L	10	
Malathion		ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion		ND	3/15/2002	03/13/02	ug/L	10	1
Parathion		ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate		55.8 J1	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219206

Client ID : PW-1

Matrix : Water

Collection Information:

Sample Date: 3/8/2002 1:40:00 PM

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides							
Azinphos methyl		ND	3/15/2002	03/13/02	ug/L	10	1
Demeton-o		ND	3/15/2002	03/13/02	ug/L	10	1
Demeton-s		ND	3/15/2002	03/13/02	ug/L	10	1
Disulfoton		ND	3/15/2002	03/13/02	ug/L	10	1
Ethion		ND	3/15/2002	03/13/02	ug/L	10	
Malathion		ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion		ND	3/15/2002	03/13/02	ug/L	10	
Parathion		ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate		59.1 J1	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219207

Client ID : DUP-A

Matrix : Water

Collection Information:

Sample Date: 3/7/2002 4:00:00 PM

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides							
Azinphos methyl		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s		ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton		ND	3/15/2002	03/13/02	ug/L	10	
Ethion		ND	3/15/2002	03/13/02	ug/L	10	
Malathion		ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion		ND	3/15/2002	03/13/02	ug/L	10	
Parathion		ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate		55.2 J1	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219208

Client ID : EQB

Matrix : Water

Collection Information:

Sample Date: 3/8/2002 3:45:00 PM

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides	EPA 8141						
Azinphos methyl	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Demeton-o	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Demeton-s	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Disulfoton	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Ethion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Malathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Methyl parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate	EPA 8141	68.9	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219209

Collection Information:

Client ID : MW-1

Sample Date: 3/7/2002 2:15:00 PM

Matrix : Water

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides	EPA 8141						
Azinphos methyl	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Demeton-o	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Demeton-s	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Disulfoton	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Ethion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Malathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Methyl parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate	EPA 8141	59.7 J1	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219210

Collection Information:

Client ID : MW-2

Sample Date: 3/7/2002 3:20:00 PM

Matrix : Water

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides							
Azinphos methyl		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s		ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton		ND	3/15/2002	03/13/02	ug/L	10	
Ethion		ND	3/15/2002	03/13/02	ug/L	10	
Malathion		ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion		ND	3/15/2002	03/13/02	ug/L	10	
Parathion		ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate		57 J1	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219211

Collection Information:

Client ID : MW-3

Sample Date: 3/7/2002 4:00:00 PM

Matrix : Water

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides							
Azinphos methyl		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s		ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton		ND	3/15/2002	03/13/02	ug/L	10	
Ethion		ND	3/15/2002	03/13/02	ug/L	10	
Malathion		ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion		ND	3/15/2002	03/13/02	ug/L	10	
Parathion		ND	3/15/2002	03/13/02	ug/L	10	1
TPP-Triphenylphosphate		59.4 J1	3/15/2002	03/13/02	%	(60 - 130)	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219212

Collection Information:

Client ID : MW-4

Sample Date: 3/7/2002 4:50:00 PM

Matrix : Water

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides	EPA 8141						
Azinphos methyl	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Ethion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Malathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate	EPA 8141	49.4 J1	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219213

Collection Information:

Client ID : MW-5

Sample Date: 3/7/2002 5:40:00 PM

Matrix : Water

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides	EPA 8141						
Azinphos methyl	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Disulfoton	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Ethion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Malathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate	EPA 8141	58.8 J1	3/15/2002	03/13/02	%	(60 - 130)	1

CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219214

Collection Information:

Client ID : MW-6

Sample Date: 3/7/2002 6:40:00 PM

Matrix : Water

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides							
Azinphos methyl		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s		ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton		ND	3/15/2002	03/13/02	ug/L	10	
Ethion		ND	3/15/2002	03/13/02	ug/L	10	
Malathion		ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion		ND	3/15/2002	03/13/02	ug/L	10	
Parathion		ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate		53.7 J1	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219215

Collection Information:

Client ID : MW-7

Sample Date: 3/8/2002 7:30:00 AM

Matrix : Water

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides	EPA 8141						
Azinphos methyl	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Ethion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Malathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate	EPA 8141	58.2 J1	3/15/2002	03/13/02	%	(60 - 130)	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219216

Collection Information:

Client ID : MW-9

Sample Date: 3/8/2002 9:00:00 AM

Matrix : Water

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides	EPA 8141						
Azinphos methyl	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Disulfoton	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Ethion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	1
Malathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate	EPA 8141	52.7 J1	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219217

Client ID : MW-10

Matrix : Water

Collection Information:

Sample Date: 3/8/2002 9:55:00 AM

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides	EPA 8141						
Azinphos methyl	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Disulfoton	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Ethion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Malathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
Parathion	EPA 8141	ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate	EPA 8141	46.9 J1	3/15/2002	03/13/02	%	(60 - 130)	

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Brent Baron
Xenco Laboratories

WORK ORDER: 2202192

PROJECT ID: 03/11/02

PEL Lab# : 220219218

Collection Information:

Client ID : MW-11

Sample Date: 3/8/2002 10:50:00 AM

Matrix : Water

ND = Less than RL

Parameter	Method	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Organo-phosphorus Pesticides							
Azinphos methyl		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-o		ND	3/15/2002	03/13/02	ug/L	10	
Demeton-s		ND	3/15/2002	03/13/02	ug/L		
Disulfoton		ND	3/15/2002	03/13/02	ug/L	10	
Ethion		ND	3/15/2002	03/13/02	ug/L	10	
Malathion		ND	3/15/2002	03/13/02	ug/L	10	
Methyl parathion		ND	3/15/2002	03/13/02	ug/L	10	
Parathion		ND	3/15/2002	03/13/02	ug/L	10	
TPP-Triphenylphosphate		56.6 J1	3/15/2002	03/13/02	%	(60 - 130)	

PEL Laboratories, Inc.

DATA QUALIFIER CODES

State of Florida, Department of Environmental Protection &
Department of Health & Rehabilitative Services

J Estimated value; value not accurate. This code shall be used in the following instances:

1. Surrogate recovery limits have been exceeded.
2. No known quality control criteria exists for the component
3. The reported value failed to meet the established quality control criteria for either precision or accuracy
4. The sample matrix interfered with the ability to make an accurate determination
5. If the data is questionable because of improper laboratory or field protocols (e.g. composite sample was collected instead of a grab sample)

Note: a "J" value shall be accompanied by justification for its use, and shall not be used if another code applies (e.g. L, V, Y, Q).

L Off-scale high. Actual value is known to be greater than the value given. To be used when the concentration of the analyte is above the acceptable limit for quantitation (exceeds the linear range of the highest calibration standard) and the calibration curve is known to exhibit a negative deflection.

Q Sample held beyond acceptable holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for the sample preparation or analysis.

U Indicates that the compound was analyzed for but not detected. This shall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory reporting limit. Unless requested by the client, values less than the reporting limit shall not be reported.

V Indicates that the analyte was detected in both the sample and the associated method blank.
Note: The value in the blank shall not be subtracted from associated samples.

Y The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.