



**SOUTHERN STATES UTILITIES, INC.
DELTONA UTILITIES, INC.**

FILED

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 920199-WS

APPLICATION FOR A GENERAL RATE INCREASE

DEC 12 1996
JON S. WHEELER
Clerk District Court of Appeal
First District

**ORIGINAL
FILE COPY**

**VOLUME IV
BOOK 2 OF 9**

ADDITIONAL ENGINEERING INFORMATION

Containing

**CHEMICAL ANALYSES
for
Fern Park through Leisure Lakes**

**FOR THE TEST YEAR ENDED
DECEMBER 31, 1991**

Case Nos. 1D98-0713 and 1D98-0727

Florida Water Services Corporation vs. Florida Public Service Commission ("PSC");
Sugarmill Woods Civic Association, Inc. vs. Southern States Utilities, Inc. and the

PSC

vs. Joseph J. DeRouin, et al.

PSC Docket No. 920199-WS

DOCUMENT NUMBER-DATE

04743 MAY 11 1992

PSC-RECORDS/REPORTING

DOCKET NO. 920199-WS
BOOK IV
BOOK 2 OF 9

CHEMICAL ANALYSES

TABLE OF CONTENTS

<u>SYSTEM NAME</u>	<u>COUNTY</u>	<u>PAGE</u>
Fern Park	Seminole	1
Fern Terrace	Lake	61
Fisherman's Haven	Martin	120
Fountains	Osceola	171
Fox Run	Martin	210
Friendly Center	Lake	262
Golden Terrace	Citrus	312
Gospel Island Estates	Citrus	345
Grand Terrace	Lake	378
Harmony Homes	Seminole	439
Hermits Cove	Putnam	473
Hobby Hills	Lake	522
Holiday Haven	Lake	591
Holiday Heights	Orange	594
Imperial Mobile Terrace	Lake	642
Intercession City	Osceola	689
Interlachen Lake Estates	Putnam	735

DOCKET NO. 920199-WS
VOLUME IV
BOOK 2 OF 9

CHEMICAL ANALYSES

TABLE OF CONTENTS (Con't)

<u>SYSTEM NAME</u>	<u>COUNTY</u>	<u>PAGE</u>
Jungle Den	Volusia	778
Keystone Heights	Clay	781
Kingswood	Brevard	816
Lake Ajay Estates	Osceola	819
Lake Brantley	Seminole	873
Lake Conway Park	Orange	917
Lake Harriet Estates	Seminole	956
Lakeview Villas	Clay	996
Leilani Heights	Martin	1045
Leisure Lakes	Highlands	1113

**ADDITIONAL ENGINEERING INFORMATION
WATER CHEMICAL ANALYSIS SUMMARY**

FPSC

COMPANY: ALL FILED FPSC SYSTEMS

Docket No: 920199-WS
Test Year Ended: 12/31/91
Interim: [X] Final [X]
Historic [X] Projected []

Explanation: Provide the most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Page 1 of 3
Preparer: Charles L. Sweat

SUMM - 1

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
	DATE SAMPLE TAKEN FOR ANALYSIS									
LINE NO.	SYSTEM	INORGANIC	ORGANIC	VOLATILE ORGANIC CHEMICAL		TURBIDITY	MICROBIOLOGICAL	RADIONUCLIDE	SECONDARY	UC
1	Amelia Island	8/91	5/90	6/90	10/90, 1/91, 4/91	10/90	12/91	6/88	8/91	2/89
2	Apache Shores	7/91	7/91	1/91, 3/91, 7/91, 10/91		7/91	12/91	3/88	7/91	1/91
3	Apple Valley	2/91	2/91	6/89, 9/89, 12/89, 2/90		2/91	12/91	2/91	2/91	2/91
4	Bay Lake	3/91	3/91	3/91, 6/91, 9/91, 12/91		3/91	12/91	11/89	3/91	3/91
5	Beacon Hills	9/90	7/91	2/90, 7/90, 10/90, 2/91		11/90	12/91	5/88	9/90	2/90
6	Beacon Hills(Cobblestone)	9/90	2/90	2/90, 7/90, 10/90, 2/91		11/90	12/91	10/90	9/90	9/90
7	Beechers Point	9/91	1/89	1/91, 4/91, 7/91, 10/91		1/89	12/91	8/91	9/91	1/91
8	Burnt Store	10/91	10/91	1/91, 4/91, 7/91, 10/91		10/91	12/91	8/90	10/91	10/91
9	Carlton Village	1/91	1/91	1/91, 4/91, 7/91, 10/91		1/91	12/91	1/91	1/91	1/91
10	Chuluota	3/91	3/91	3/91, 6/91, 9/91, 12/91		3/91	12/91	3/91	3/91	3/91
11	Citrus Park	8/90	8/90	8/90, 12/90, 3/91, 6/91		8/90	12/91	8/90	8/90	8/90
12	Citrus Springs	2/90	2/90	3/89, 6/89, 9/89, 12/89		2/90	12/91	2/90	2/90	2/90
13	Crystal River	7/91	7/91	1/91, 4/91, 7/91, 10/91		8/91	12/91	3/88	8/91	1/91
14	Dactwyler	10/89	10/89	3/91, 6/91		10/89	12/91	11/90	10/89	3/91
15	Deltona Lake	2/90	2/90	3/91, 5/91, 10/91		2/90	12/91	2/90	10/91	3/91
16	Dol Ray	3/91	3/91	3/91, 6/91, 9/91, 12/91		3/91	12/91	3/91	3/91	3/91
17	Druid Hills	3/91	3/91	3/91, 6/91, 9/91, 12/91		3/91	12/91	3/91	3/91	3/91
18	East Lake Harris Estates	1/91	1/91	1/91, 4/91, 7/91, 10/91		1/91	12/91	1/91	1/91	1/91
19	Fern Park	9/90	9/90	9/90, 12/90, 3/91, 6/91		11/90	12/91	9/90	9/90	3/91
20	Fern Terrace	6/90	6/90	6/90, 9/90, 12/90, 3/91		6/90	12/91	6/90	6/90	3/91
21	Fisherman's Haven	8/90	8/90	2/91, 5/91, 8/91, 12/91		8/90	12/91	8/90	8/90	8/90
22	Fountains	1/91	1/91	1/91		1/91	12/91	1/91	1/91	1/91
23	Fox Run	8/90	8/90	2/91, 5/91, 9/91, 12/91		12/91	12/91	9/90	8/90	8/90
24	Friendly Center	1/91	1/91	1/91, 4/91, 7/91, 10/91		1/91	12/91	1/91	1/91	1/91
25	Golden Terrace	8/91	8/91	1/91, 3/91, 7/91, 10/91		8/91	12/91	8/91	8/91	1/91
26	Gospel Island	8/91	8/91	1/91, 3/91, 7/91, 10/91		8/91	12/91	8/91	8/91	1/91
27	Grand Terrace	6/90	6/90	6/90, 9/90, 12/90, 3/91		6/90	12/91	6/90	6/90	3/91
28	Harmony Homes	3/91	3/91	3/91, 6/91, 9/91, 12/91		3/91	12/91	3/91	3/91	3/91
29	Hermits Cove	1/89	1/89	1/91, 4/91, 7/91, 10/91		3/89	12/91	3/89	1/89	1/91
30	Hobby Hills	1/91	1/91	1/91, 4/91, 7/91, 10/91		1/91	12/91	1/91	1/91	1/91
31	Holiday Haven						12/91			
32	Holiday Heights	6/91	6/91	3/91, 6/91, 9/91, 12/91		6/91	12/91	6/91	6/91	6/91
33	Imperial Terrace	5/90	5/90	5/90, 9/90, 12/90, 3/91		5/90	12/91	5/90	5/90	3/91
34	Intercession City	8/90	8/90	3/91, 6/91, 9/91, 12/91		8/90	12/91	4/91	8/90	3/91
35	Interlachen Lake Estates	1/89	1/89	1/91, 4/91, 7/91, 10/91		1/89	12/91	1/89	1/89	1/91
36	Jungle Den						12/91			

ADDITIONAL ENGINEERING INFORMATION **WATER CHEMICAL ANALYSIS SUMMARY**

FPSC

COMPANY: ALL FILED FPSC SYSTEMS

Docket No: 920199-WS
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Explanation: Provide the most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Page 2 of 3
 Preparer: Charles L. Sweat

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	DATE SAMPLE TAKEN FOR ANALYSIS								
LINE NO.	SYSTEM	INORGANIC	ORGANIC	VOLATILE ORGANIC CHEMICAL	TURBIDITY	MICROBIOLOGICAL	RADIONUCLIDE	SECONDARY	UC
1	Keystone Heights	8/91	8/91	1/91, 4/91, 7/91, 10/91	8/91	12/91	8/88	8/91	1/91
2	Kingwood	.	.	.	.	12/91	.	.	.
3	Lake Ajay	3/91	3/91	3/91, 6/91, 9/91, 12/91	3/91	12/91	4/90	3/91	3/91
4	Lake Brantley	3/91	3/91	3/91, 6/91, 9/91, 12/91	3/91	12/91	3/91	3/91	3/91
5	Lake Conway	10/89	10/89	.	10/89	12/91	11/90	10/89	3/91
6	Lake Harrell	3/91	3/91	3/91, 6/91, 9/91, 12/91	3/91	12/91	3/91	3/91	3/91
7	Lakeview Villas	11/90	11/89	1/91, 4/91, 6/91, 10/91	11/90	12/91	8/88	11/90	1/91
8	Leilani Heights	8/90	8/90	2/91, 5/91, 9/91, 12/91	8/90	12/91	9/90	8/90	8/90
9	Leisure Lakes	2/90	2/90	1/91, 4/91, 7/91, 10/91	2/90	12/91	2/90	2/90	2/90
10	Marco Shores	12/91	3/91	1/91, 4/91, 7/91, 10/91	12/91	12/91	3/91	5/91	2/90
11	Marion Oaks	2/90	2/90	3/89, 6/89, 9/89, 12/89	2/90	12/91	2/90	2/90	10/91
12	Meredith Manor	2/91	2/91	6/89, 8/89, 11/89, 2/90	2/91	12/91	2/91	2/91	2/90
13	Morningview	1/91	1/91	1/91, 4/91, 7/91, 10/91	1/91	12/91	1/91	1/91	1/91
14	Oak Forest	7/91	7/91	1/91, 3/91, 7/91, 10/91	7/91	12/91	8/90	7/91	2/91
15	Oakwood	.	.	.	.	12/91	.	.	.
16	Palisades	3/90	3/90	3/91, 5/91, 8/91, 11/91	3/90	12/91	3/90	3/90	3/90
17	Palm Mobile Home	1/91	1/91	1/91, 4/91, 7/91, 10/91	1/91	12/91	1/91	1/91	1/91
18	Palm Port	10/89	10/89	1/91, 4/91, 7/91, 10/91	4/90	12/91	7/91	4/90	1/91
19	Palm Terrace	8/89	8/89	1/91, 4/91, 7/91, 10/91	8/89	12/91	8/89	8/89	8/89
20	Park Manor	7/91	7/91	1/91, 4/91, 7/91, 10/91	7/91	12/91	6/88	7/91	1/91
21	Picciola Island	8/90	8/90	1/91, 4/91, 7/91, 10/91	8/90	12/91	8/90	8/90	1/91
22	Pineridge	2/90	2/90	1/91, 4/91, 7/91, 10/91	2/90	12/91	2/90	2/90	1/91
23	Pineridge Estates	3/91	3/91	3/91, 6/91, 9/91, 12/91	3/91	12/91	3/88	3/91	3/91
24	Piney Woods	3/91	3/91	3/91, 5/91, 8/91, 11/91	3/91	12/91	3/91	3/91	3/91
25	Point O Woods	11/89	11/89	1/91, 3/91, 7/91, 10/91	11/89	12/91	11/89	11/89	1/91
26	Pomona Park	1/89	1/89	1/91, 4/91, 7/91, 10/91	1/89	12/91	1/89	1/89	1/91
27	Postmasters Village	1/91	1/91	1/91, 4/91, 7/91, 10/91	1/91	12/91	2/88	1/91	1/91
28	Quail Ridge	2/90	2/90	5/91, 8/91, 11/91, 2/92	2/90	12/91	2/90	2/90	2/90
29	River Grove	8/91	8/91	1/91, 4/91, 7/91, 10/91	8/91	12/91	6/88	8/91	1/91
30	River Park	8/91	7/91	1/91, 4/91, 7/91, 10/91	8/91	12/91	3/88	8/91	1/91
31	Rolling Green	8/91	8/91	1/91, 3/91, 7/91, 10/91	8/91	12/91	8/91	8/91	1/91
32	Rosemont	11/89	11/89	1/91, 4/91, 7/91, 10/91	11/89	12/91	11/89	11/89	1/91
33	Salt Springs	1/91	1/91	1/91, 3/91, 6/91, 8/91	1/91	12/91	1/91	1/91	1/91
34	Samira Villas	8/90	8/90	8/90, 12/90, 3/91, 6/91	8/90	12/91	8/90	8/90	8/90
35	Saratoga Harbour	7/91	7/91	1/91, 4/91, 7/91, 10/91	7/91	12/91	6/88	7/91	1/91
36	Silver Lake Estates	9/90	9/90	3/91, 6/91, 9/91, 12/91	9/90	12/91	9/90	9/90	3/91

SUMM - 2

**ADDITIONAL ENGINEERING INFORMATION
WATER CHEMICAL ANALYSIS SUMMARY**

FPSC

COMPANY: ALL FILED FPSC SYSTEMS

Docket No: 920199-WS
Test Year Ended: 12/31/91
Interim [X] Final [X]
Historic [X] Projected []

Explanation: Provide the most recent analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Page 3 of 3
Preparer: Charles L. Sweat

SUMM - 3

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	DATE SAMPLE TAKEN FOR ANALYSIS								
LINE NO.	SYSTEM	INORGANIC	ORGANIC	VOLATILE ORGANIC CHEMICAL	TURBIDITY	MICROBIOLOGICAL	RADIONUCLIDE	SECONDARY	UC
1	Silver Lake Oaks	.	.	1/91, 4/91, 7/91, 10/91	.	12/91	8/91	.	1/91
2	Skycrest #1	8/90	8/90	5/90, 9/90, 12/90, 3/91	8/90	12/91	8/90	8/90	3/91
3	Skycrest #2	8/90	8/90	3/91, 6/91, 9/91, 12/91	8/90	12/91	8/90	8/90	3/91
4	Spring Hill	2/90	2/90	2/91, 5/91, 8/91, 12/91	2/90	12/91	2/90	2/90	2/90
5	St. Johns Highland	1/89	1/89	1/91, 4/91, 7/91, 10/91	1/89	12/91	1/89	1/89	1/91
6	Stone Mountain	8/90	8/90	3/91, 5/91, 8/91, 11/91	8/90	12/91	8/90	8/90	8/90
7	Sugar Mill Country Club	2/89	2/89	2/91, 6/91, 8/91, 11/91	2/89	12/91	2/89	2/89	2/91
8	Sugar Mill Woods	12/89	12/89	2/90, 5/90, 9/90, 12/90	12/89	12/91	12/89	12/89	12/89
9	Sunny Hill	3/90	3/90	1/91, 4/91, 7/91, 10/91	3/90	12/91	3/90	3/90	1/91
10	Sunshine Parkway	8/90	8/90	3/91, 5/91, 8/91, 11/91	8/90	12/91	8/90	8/90	3/91
11	Tropical Park #1	5/91	5/91	3/91, 6/91, 9/91, 12/91	5/91	12/91	3/91	5/91	3/91
12	Tropical Park #2	3/91	3/91	3/91, 6/91, 9/91, 12/91	3/91	12/91	3/91	3/91	3/91
13	University Shores	3/91	3/91	3/89, 6/89, 8/89, 11/89	3/91	12/91	2/88	3/91	11/89
14	University Shores (Suncrest)	4/91	4/91	3/89, 6/89, 8/89, 11/89	4/91	12/91	2/88	4/91	11/89
15	Venetian Village	3/91	3/91	3/91, 5/91, 8/91, 11/91	3/91	12/91	3/91	3/91	3/91
16	Welaka	1/89	1/89	1/91, 4/91, 7/91, 10/91	1/89	12/91	1/89	1/89	1/91
17	Western Shores	3/91	3/91	3/91, 6/91, 9/91, 12/91	3/91	12/91	3/91	3/91	3/91
18	Westmont	.	.	.	.	12/91	.	.	.
19	Windsong	3/91	3/91	3/91, 6/91, 9/91, 12/91	3/91	12/91	2/88	3/91	3/91
20	Woodmere	9/90	6/91	2/90, 7/90, 10/90, 2/91	9/90	12/91	4/89	9/90	9/90
21	Wooten	7/91	7/91	1/91, 4/91, 7/91, 10/91	7/91	12/91	6/88	7/91	1/91
22	Zephyr Shores	9/90	9/90	1/91, 4/91, 7/91, 10/91	9/90	12/91	9/90	9/90	9/90

Fern Park - 324

Seminole County (SSU)

Water

- 1992 FPSC Filing -

Fern Park
Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	9/90
Organic	9/90
Volatile Organic Chemicals	9/90
	12/90
	3/91
	6/91
Turbidity	11/90
Microbiological	12/91
Radionuclide	9/90
Secondary Contaminants	9/90
Unregulated Contaminants	3/91



ORLANDO LABORATORIES ^{INC}

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-09-228
Date Received: 09/20/90
Date Reported: 10/01/90
OLI Contact: E_HOBBS

Work ID: DER 3590368 324 Fern Park
Total Samples: 2

1st Qtr. Voc

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Distribution
01 Raw well #1
01 P.E. treated
02 Method Blank

TEST CODES and NAMES used on this report

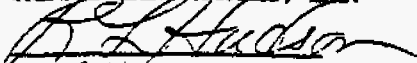
PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS033 Radiological Analysis

Copy of results to:

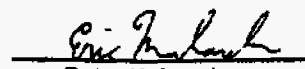
Southern States Utilities
Attn: Don Corder
1000 Color Place
Apopka, FL 32703

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 3590368
 Public Water System Name: Fern Park
 Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Inorganic, Volatile Organics, Organic Chemistry,
 Subcontracted Lab Certification Number (if any): NA

Inorganics,
 Secondary &
 Radiological.

SAMPLE INFORMATION

Sample Date (MMDDYY): 08 / 13 / 98
 Laboratory Sample Number: 98-49-123
 Sample Location (be specific): _____
 Sample Type (check all applicable):
☐ Check ☒ Regular Distribution ☐ Composite
☐ Clearance ☒ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Re-sample
☐ Special
 Sampler Name, Title, Phone: Don Corder, Area Supervisor, 880, 0051

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 08/28/98 09/11/98
 Laboratory Contact: Eric Malarek PH221 & PH223 PH223
 Re-sample Requested? (check one): ☐ Yes ☒ No
 ANALYSES SUBMITTED: Turbidity ☒; Inorganics ☒; Trichloroethene ☒; Volatile Organic ☒; Organic Chemical ☒
 Secondary Chemical ☒; Radiological ☒; Unregulated Organic Pesticide ☒; Unregulated Organic Pesticide ☒
 Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
 Name: Eric Malarek
 Title: Quality Control Officer
 Laboratory: Orlando Laboratories, Inc.
 Date: 10/1/98

Mail Results to the
 Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
Received: 09/20/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-228

SAMPLE ID Distribution
DATE COLLECTED 09/19/90 15:30:00
TEST NAME Organic Chemical Analysis

SAMPLE# Q1A
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	09/22/90
2010 Lindane			0.00005 U	EPA 608	0.00005	09/22/90
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	09/22/90
2020 Toxaphene			0.00100 U	EPA 608	0.00100	09/22/90
2105 D,4-D			0.0020 U	EPA 615	0.0020	09/21/90
2110 D,4,5-TP (Silvex)			0.0010 U	EPA 615	0.0010	09/21/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 09/20/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-228

SAMPLE ID Distribution
DATE COLLECTED 09/19/90 15:30:00
TEST NAME Inorganic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	09/26/90
1010 Barium			<0.100	EPA 200.7	0.100	09/27/90
1015 Cadmium			<0.005	EPA 213.2	0.005	09/27/90
1020 Chromium			<0.010	EPA 218.2	0.010	09/27/90
1025 Fluoride			0.16	EPA 340.2	0.1	09/26/90
1030 Lead			<0.010	EPA 239.2	0.010	09/26/90
1035 Mercury			<0.0005	EPA 245.1	0.0005	09/26/90
1040 Nitrate (as N)			<0.03	EPA 352.2	0.03	09/26/90
1045 Selenium			<0.005	EPA 270.2	0.005	09/26/90
1050 Silver			<0.010	EPA 272.2	0.010	09/27/90
1055 Sodium			7.6	EPA 200.7	0.001	09/27/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 09/20/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-228

SAMPLE ID Distribution
DATE COLLECTED 09/19/90 15:30:00
TEST NAME Radiological Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u>1.8</u>	<u>EPA 900.0</u>	<u>+/- 1.7</u>	<u>09/26/90</u>
4006 Total Uranium	_____	<u>N/A</u>	_____	_____	_____
4010 Total Radium	_____	<u>N/A</u>	_____	_____	_____
4020 Radium-226	_____	<u>N/A</u>	_____	_____	_____
4030 Radium-228	_____	<u>N/A</u>	_____	_____	_____
4100 Gross Beta	_____	<u>N/A</u>	_____	_____	<u>--</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 09/20/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-228

SAMPLE ID Raw well #1
DATE COLLECTED 09/19/90 15:30:00
TEST NAME Volatile Organic Analysis

SAMPLE# Q1B
MATRIX WATER
TEST CODE PHS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PHS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	_____	_____	<u>0.00002</u> U	<u>EPA 504</u>	<u>0.00002</u>	<u>09/21/90</u>
2969 Para-dichlorobenzene	_____	_____	<u>0.0005</u> U	<u>EPA 524</u>	<u>0.0005</u>	<u>09/20/90</u>
2976 Vinyl Chloride	_____	_____	<u>0.0005</u> U	<u>EPA 524</u>	<u>0.0005</u>	<u>09/20/90</u>
2977 1,1-Dichloroethane	_____	_____	<u>0.0005</u> U	<u>EPA 524</u>	<u>0.0005</u>	<u>09/20/90</u>
2980 1,2-Dichloroethane	_____	_____	<u>0.0005</u> U	<u>EPA 524</u>	<u>0.0005</u>	<u>09/20/90</u>
2981 1,1,1-trichloroethane	_____	_____	<u>0.0005</u> U	<u>EPA 524</u>	<u>0.0005</u>	<u>09/20/90</u>
2982 Carbon Tetrachloride	_____	_____	<u>0.0005</u> U	<u>EPA 524</u>	<u>0.0005</u>	<u>09/20/90</u>
2984 Trichloroethane	_____	_____	<u>0.0005</u> U	<u>EPA 524</u>	<u>0.0005</u>	<u>09/20/90</u>
2987 Tetrachloroethane	_____	_____	<u>0.0005</u> U	<u>EPA 524</u>	<u>0.0005</u>	<u>09/20/90</u>
2990 Benzene	_____	_____	<u>0.0005</u> U	<u>EPA 524</u>	<u>0.0005</u>	<u>09/20/90</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 09/20/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-228

SAMPLE ID P.E. treated
DATE COLLECTED 09/19/90 15:30:00
TEST NAME Turbidity Analysis

SAMPLE# 01C
MATRIX WATER
TEST CODE PWS026

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100 Turbidity			<u>1.3</u>	<u>EPA 180.1</u>	<u>09/21/90</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 09/20/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-228

SAMPLE ID P.E. treated
DATE COLLECTED 09/19/90 15:30:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01C
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			40.0	EPA 200.7	0.1	09/27/90
1017 Chloride			23	SM 407	1.0	09/21/90
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	09/27/90
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			0.15	EPA 340.2	0.1	09/25/90
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			0.180	EPA 200.7	0.100	09/27/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	09/27/90
1055 Sulfate			3.5	EPA 375.4	1.0	09/25/90
1095 Zinc			<0.050	EPA 200.7	0.050	09/27/90
1901 Carbon Dioxide			2.3	SM 406 C	1.0	09/25/90
1905 Color (color units)			5.0	EPA 370.2	5 PCU	09/21/90
1915 Total Hardness			29	EPA 200.7	0.050	09/27/90
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			4.0	EPA 140.1	1	09/21/90
1924 Field pH (units)			7.0	EPA 150.1	N/A	09/12/90
1925 Lab pH (units)			7.70	EPA 150.1	N/A	09/21/90
1926 Field Conductivity			455	EPA 120.1	N/A	09/12/90

ORLANDO LABORATORIES, INC.
Received: 09/20/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-228
Continued From Above

SAMPLE ID P.E. treated
DATE COLLECTED 09/19/90 15:30:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01C
MATRIX WATER
TEST CODE PMS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PMS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			104	EPA 310.1	2.0	09/21/90
1930 TDS			200	EPA 160.1	1.0	09/24/90
1931 Phenolphthalein Alk.			<2.0	EPA 310.1	2.0	09/21/90
1996 Field Temp. (C)			76 F	EPA 170.1	N/A	09/19/90
1997 Langlier Index pHs			7.33	CALC	N/A	09/28/90
1998 Saturation Index			-0.13	CALC	N/A	09/28/90
1999 Stability Index			7.96	CALC	N/A	09/28/90
2903 Foaming Agents			<0.10	EPA 425.1	0.1	09/21/90
9996 Field DO			11	EPA 360.1	0.1	09/19/90
9997 Field Chlorine			0.6	SM 408E	0.02	09/19/90

Comments:

FIELD DATA FURNISHED BY CLIENT.

ORLANDO LABORATORIES, INC.
Received: 09/20/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-228

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PMS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PMS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	09/21/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	09/20/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	09/20/90
2977 1,1-Dichloroethane			0.0005 U	EPA 524	0.0005	09/20/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	09/20/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	09/20/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	09/20/90
2984 Trichloroethane			0.0005 U	EPA 524	0.0005	09/20/90
2987 Tetrachloroethane			0.0005 U	EPA 524	0.0005	09/20/90
2990 Benzene			0.0005 U	EPA 524	0.0005	09/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 09/20/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-228

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PM5029

ORGANIC CHEMICAL ANALYSIS
17-550.310 (2) (a) (b)
(PM5029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	09/22/90
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	09/22/90
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	09/22/90
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	09/22/90
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	09/21/90
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	09/21/90

Comments:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-09-228
Page No: 11

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Mercury	<1	106	09/26/90	LG
Arsenic	<1	90	09/26/90	CFG
Selenium	<1	103	09/26/90	CFG
Lead	<1	108	09/25/90	JC
Barium	<1	98	09/27/90	BB
Cadmium	<1	103	09/27/90	BB
Chromium	<1	102	09/27/90	BB
Sodium	4	108	09/27/90	BB
Copper	4	99	09/27/90	BB
Iron	<1	104	09/27/90	BB
Manganese	<1	100	09/27/90	BB
Zinc	8	97	09/27/90	BB
Calcium	1	92	09/27/90	BB
Silver	<1	94	09/27/90	BB
Color	<1	N/A	09/21/90	CM
Odor	<1	N/A	09/21/90	CM
Chloride	<1	100	09/21/90	RAW
Turbidity	5	N/A	09/21/90	RAW
pH	<1	N/A	09/21/90	CM
Total Alkalinity	3	96	09/21/90	CM
MBAS	<1	99	09/21/90	CM
Nitrogen, Nitrite	<1	99	09/21/90	CM
TDS	9	N/A	09/24/90	RJW
Sulfate	3	97	09/26/90	RAW
Fluoride	<1	98	09/26/90	KH
Nitrogen, Nitrate	<1	95	09/26/90	DR
Gross Alpha	0.2	96	09/27/90	JAB

NOTE: The duplicate for Gross Alpha is reported as actual difference rather than percent difference as specified.

ORLANDO LABORATORIES INC.

Page No: 12

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 09-22-1990

LAB SAMPLE # : 9009228-2 524
ANALYSIS DATE : 9/24/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS 2 RECOVERY	MSD RESULT	MSD2 RECOVERY	PPB
1,1-dichloroethene	50	0	52	104	57	114	9
trichloroethene	50	0	51	102	52	104	2
benzene	50	0	49	98	50	100	4
toluene	50	0	45	90	49	98	9
chlorobenzene	50	0	49	98	50	100	2

COMMENTS :

MATRIX SPIKE ANALYSIS COMPOUND LIMITS

COMPOUND	WATER			SOIL		
	LOWER	UPPER	PPB	LOWER	UPPER	PPB
1,1-dichloroethene	51	102	14	59	117	22
trichloroethene	71	142	14	82	163	24
benzene	70	140	11	80	160	21
toluene	74	148	11	85	170	21
chlorobenzene	75	150	12	86	172	22

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 09-25-1990

LAB SAMPLE # : 9009228-01m
ANALYSIS DATE : 09/22/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	0	114	114	114	114	0
HEPTACHLOR	100	0	120	120	120	120	0
ALDRIN	100	0	121	121 *	114	114	6
DIELDRIN	100	0	119	119	120	120	1
ENDRIN	100	0	126	126 *	127	127 *	1
4,4-DDT	100	0	129	129 *	123	123	5

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	56	123	15	46	127	50
HEPTACHLOR	40	131	20	35	130	31
ALDRIN	40	120	22	34	132	43
DIELDRIN	52	126	18	31	134	34
ENDRIN	56	121	21	42	139	45
4,4-DDT	38	127	27	23	134	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

Page No: 14

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 89-25-1990

LAB SAMPLE # : 9889217-01a
ANALYSIS DATE : 89/21/90

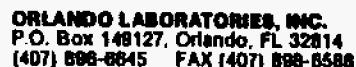
COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS ± RECOVERY	MSD RESULT	MSD RECOVERY	RPD
PICLORAN	100	0	175	175	185	185 *	6
2,4,5-TP (silver)	100	0	110	110	114	114	4

COMMENTS : * = parameter outside GC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
PICLORAN	80	175	30	80	175	30
2,4,5-TP (silver)	80	175	30	80	175	30

End of Report



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 3

INVOICE TO: (COMPANY AND INDIVIDUAL) S.S.U. Services		ADDRESS (CITY, STATE, ZIP) 1000 Color Place Apopka FLA 32703		CONTACT PERSON/PHONE & INVOICE 1		OLD WORK ORDER # & LAB USE 2 \$9009228	
ORIGINAL REPORT TO: (COMPANY AND INDIVIDUAL) S.S.U. Services		ADDRESS (CITY, STATE, ZIP) 1000 Color Place Apopka 32703		CONTACT PERSON/PHONE & REPORT 4		RB NUMBER (LAB USE) 5 1674	
(OPTIONAL) ADDITIONAL REPORTS SENT TO: % Don Carter S.S.U. Services		ADDRESS (CITY, STATE, ZIP) 1000 Color Place Apopka 32703		7		17	
CLIENT PROJECT NAME FERN PARK		10#		8 CLIENT PROJECT # 324 9 DER 3590368		18	
10 SAMPLE IDENTIFICATION		11 DATE/TIME		12 COMP. DRUG WATER OTHER		13 SAMPLE DESCRIPTION	
PR. min. Toppings		9/1/90 3:30pm		✓		PR. min. D. Trib	
PR. min. Org. mic		9/1/90 3:30pm		✓		Distrib. PE	
PURCH. 1/1/90		9/1/90 3:30pm		✓		RMW Wall #1	
TURBIDITY		9/1/90 3:30pm		✓		PE	
Secondary Mem.		9/1/90 3:30pm		✓		P.E. Treated	
Radiochromia		9/1/90 3:30pm		✓		Distrib.	
Chloride Color		9/1/90 3:30pm		✓		P.E. Treated	
14		15		16		19	
TRANSFER NUMBER		RELINQUISHED BY		DATE/TIME		ACCEPTED BY	
1st		James Johnson		9/20/90 12:15		James Johnson	
2nd		James Johnson		9/20/90 12:15		James Johnson	
3rd		James Johnson		9/20/90 12:15		James Johnson	
20		21		22		23	
COOLER #		34		24		25	
26		27		28		29	
30		31		32		33	
34		35		36		37	
38		39		40		41	
42		43		44		45	
46		47		48		49	
50		51		52		53	
54		55		56		57	
58		59		60		61	
62		63		64		65	
66		67		68		69	
70		71		72		73	
74		75		76		77	
78		79		80		81	
82		83		84		85	
86		87		88		89	
90		91		92		93	
94		95		96		97	
98		99		100		101	
102		103		104		105	
106		107		108		109	
110		111		112		113	
114		115		116		117	
118		119		120		121	
122		123		124		125	
126		127		128		129	
130		131		132		133	
134		135		136		137	
138		139		140		141	
142		143		144		145	
146		147		148		149	
150		151		152		153	
154		155		156		157	
158		159		160		161	
162		163		164		165	
166		167		168		169	
170		171		172		173	
174		175		176		177	
178		179		180		181	
182		183		184		185	
186		187		188		189	
190		191		192		193	
194		195		196		197	
198		199		200		201	
202		203		204		205	
206		207		208		209	
210		211		212		213	
214		215		216		217	
218		219		220		221	
222		223		224		225	
226		227		228		229	
230		231		23			

ORIGINAL - LAB
YF11 (W) - FBI

0018



ORLANDO LABORATORIES ^{INC}

Dyn

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-12-276
Date Received: 12/19/90
Date Reported: 12/31/90
OLI Contact: L_BALTZLEY

Work ID: Fern Park Plant #3590368
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Well #1
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report
PWS028 Volatile Organic Analysis

2nd Qdr.

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

John J. Hobbs
Acting
LABORATORY DIRECTOR

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

Eric Malarek
Eric Malarek
QUALITY CONTROL

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-276

SAMPLE ID Well #1
DATE COLLECTED 12/19/90 09:00:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-FED.010(C) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.0002 U	EPA 504	0.0002	12/20/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	12/20/90
2975 Vinyl Chloride			0.0005 U	EPA 524	0.0005	12/20/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	12/20/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2990 Benzene			0.0005 U	EPA 524	0.0005	12/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-276

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	12/20/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	12/20/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	12/20/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	12/20/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2990 Benzene			0.0005 U	EPA 524	0.0005	12/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-12-276

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02A : NOTEST

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 12-20-1990

LAB SAMPLE # : 9012283&284-1
 ANALYSIS DATE : 12/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD RECOVERY	MSD RPD
ETHYLENE DIBROMIDE	100	0	50	50	53	53	6

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	50	100	20	35	90	20

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 12-23-1990

LAB SAMPLE # : 9012284-2 524
 ANALYSIS DATE : 12/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS ± RECOVERY	MSD RESULT	MSD± RECOVERY	RPD
1,1-dichloroethane	50	0	52	104	60	120	14
trichloroethane	50	0	61	122 *	51	102	18 *
benzene	50	0	51	102	52	104	2
toluene	50	0	57	114	54	108	5
chlorobenzene	50	0	59	118	53	106	11

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethane	61	145	14	59	172	22
trichloroethane	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORM

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: FERN PARK
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Volatile Organic Analysis

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 12/19/90
Laboratory Sample Number: 90-12-276
Sample Location: _____
Sample Type (check all applicable):

☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 12/19/90 (504)
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___;
Radiological___; Unregulated Organic Purgeable___; Unregulated
Organic Pesticides___; Unregulated Base Neutral Extractable___;
Unregulated Acid Extractable___; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature Eric Malarek

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date 12/31/90

Mail Results to the
Appropriate DER or
ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

[illegible]

ORIGINAL - LAB

0026



Plant File

General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 11, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803

Re: Bretton Woods PWS ID# 3590111
 Dol-Ray PWS ID# 3590297
 → Fern Park PWS ID# 3590368
 Harmony Homes PWS ID# 3590497

Dear Ms. Carrasquillo,

Please find enclosed, results for Volatile Organics, Unregulated Organic Pesticides, Unregulated Base Neutral Extracts and Unregulated Acid Extractables for the above referenced facilities along with Organic Chemical, Inorganic Chemical, Secondary Chemical, Radiological and Trubidity for the Dol-Ray and Harmony Homes plants.

Please make these analysis reports part of your records. Your cooperation and assistance is greatly appreciated.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

cc: Charles Sweat
 Ralph Terrero
 Frank Sanderson
 File

See also the following files: Orange Springs, Deltona, Winter Park, Winter Oaks, P.O. Box 80, Deltona, Florida 32725

FLOWERS



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 5 1991

PO Number: 891050

PO Number

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHR Lab# : 296

SCDHEC Lab# : 96019

For: COMP. SAMPLES

Date Received:

Mar 15 1991

Lab Number : 16493

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	16493
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	108	2.14	<0.000005
Para-dichlorobenzene	mg/L	0.001	89.4	.051	<0.001
Vinyl chloride	mg/L	0.001	96.1	.588	<0.001
1,1-dichloroethene	mg/L	0.001	96.1	.588	<0.001
1,2-dichloroethane	mg/L	0.001	91.2	3.65	<0.001
1,1,1-trichloroethane	mg/L	0.001	92.2	2.14	<0.001
Carbon tetrachloride	mg/L	0.001	94.2	2.54	<0.001
Trichloroethene	mg/L	0.001	98.3	1.98	<0.001
Tetrachloroethene	mg/L	0.001	97.7	2.33	<0.001
Benzene	mg/L	0.001	93.5	1.36	<0.001
Chloromethane	mg/L	0.001	106	13.0	<0.001
Dichlorodifluorometh	mg/L	0.001	94.2	2.54	<0.001
Bromomethane	mg/L	0.001	106	13.0	<0.001
Chloroethane	mg/L	0.001	96.1	.588	<0.001
Trichlorofluorometha	mg/L	0.001	94.2	2.54	<0.001
trans-1,3,-dichlorop	mg/L	0.001	91.6	1.02	<0.001
cis-1,3-dichloroprop	mg/L	0.001	91.1	2.02	<0.001
Methyl-tert-butyleth	mg/L	0.001	96.0	.982	<0.001
cis-1,2-dichloroethe	mg/L	0.001	91.1	2.02	<0.001
Dibromomethane	mg/L	0.001	106	13.0	<0.001
1,1-dichloropropene	mg/L	0.001	93.5	1.5	<0.001
1,3-dichloropropane	mg/L	0.001	91.6	1.02	<0.001
1,2,3-trichloropropan	mg/L	0.001	111	1.00	<0.001
2,2-dichloropropane	mg/L	0.001	96.1	.588	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	111	1.00	<0.001
Chloroform	mg/L	0.001	92.5	3.25	<0.001

Fern Park

VOCs

** Unreg.*

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

[Signature]
Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 4

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FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 5 1991

PO Number: B91050

PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLES

Date Received:

Mar 15 1991

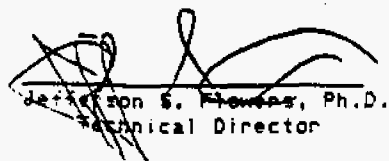
Lab Number : 16493

REPORT OF ANALYSIS

16493					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Bromoform	mg/L	0.001	86.0	1.93	<0.001
Bromodichloromethane	mg/L	0.001	93.3	1.21	<0.001
Dibromochloromethane	mg/L	0.001	91.6	1.310	<0.001
p-xylene	mg/L	0.001	97.8	13.1	<0.001
Methylene chloride	mg/L	0.001	106	13.0	<0.001
o-chlorotoluene	mg/L	0.001	92.4	0.76	<0.001
p-chlorotoluene	mg/L	0.001	92.7	3.23	<0.001
m-dichlorobenzene	mg/L	0.001	90.3	2.44	<0.001
o-dichlorobenzene	mg/L	0.001	89.3	1.45	<0.001
1,1-dichloroethane	mg/L	0.001	92.9	1.35	<0.001
trans-1,2-dichloroet	mg/L	0.001	91.5	2.84	<0.001
1,2-dichloropropane	mg/L	0.001	93.4	1.65	<0.001
1,1,2-trichloroethan	mg/L	0.001	92.4	1.68	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	92.2	2.09	<0.001
1,1,1,2,2-tetrachloroe	mg/L	0.001	90.3	1.70	<0.001
Chlorobenzene	mg/L	0.001	93.8	2.35	<0.001
Toluene	mg/L	0.001	92.7	3.23	<0.001
Ethylbenzene	mg/L	0.001	94.9	7.99	<0.001
Bromobenzene	mg/L	0.001	93.9	2.35	<0.001
m-xylene	mg/L	0.001	97.8	13.1	<0.001
Styrene	mg/L	0.001	92.7	3.23	<0.001
o-xylene	mg/L	0.001	97.8	13.1	<0.001
Dalapon	mg/L	0.000001	103	9.93	<0.000001
Oxamyl (Vydate)	mg/L	0.002	84.5	3.35	<0.002
Simazine	mg/L	0.007	101	1.965	<0.007
Picloram	mg/L	0.00007	98.5	15.1	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 4

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0029

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 5 1991

PO Number: 891050

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLES

Date Received:

Mar 15 1991

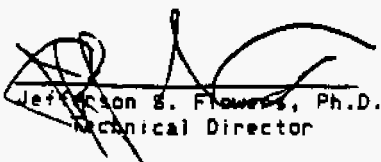
Lab Number : 16493

REPORT OF ANALYSIS

					16493
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	106	2.67	<0.00001
Aldicarb sulfoxide	mg/L	0.002	94.3	4.13	<0.002
Aldicarb sulfone	mg/L	0.002	85.3	.415	<0.002
Metolachlor	mg/L	0.0005	109	10.4	<0.0005
Carbofuran	mg/L	0.001	93.3	3.56	<0.001
Aldicarb	mg/L	0.002	94.8	7.84	<0.002
Atrazine	mg/L	0.002	101	1.19	<0.002
Alachlor (Lasso)	mg/L	0.0002	96.5	13.2	<0.0002
Heptachlor	mg/L	0.000005	101	.702	<0.000005
Aldrin	mg/L	0.00007	109	1.17	<0.00007
Dieldrin	mg/L	0.00001	93.6	2.42	<0.00001
Dicamba	mg/L	0.00001	102	6.24	<0.00001
Chlordane	mg/L	0.00001	100	3.39	<0.00001
Pentachlorophenol	mg/L	0.005	106	5.34	<0.005
Hexachlorocyclopenta	mg/L	0.001	105	8.80	<0.001
Dioxin	mg/L	0.00001	101	7.58	<0.00001
Isophorone	mg/L	0.001	101	5.90	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.0	.857	<0.001
Dimethylphthalate	mg/L	0.001	98.0	2.89	<0.001
Diethylphthalate	mg/L	0.001	102	7.76	<0.001
Di-n-butylphthalate	mg/L	0.001	99.8	3.38	<0.001
Butyl benzyl phthala	mg/L	0.001	98.5	1.87	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	100	5.33	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.4	1.42	<0.001
PCB_1016	mg/L	0.0001	97.7	2.75	<0.0001
PCB_1221	mg/L	0.0001	99.0	2.00	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 3 of 4

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4x 307 130-6110

0030

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 5 1991

PO Number: 891050

PO Number
FDHRS Lab# : 89139
FDER Lab# : E83018
NCDEHNR Lab# : 294
SCDHEC Lab# : 96019

For: COMP. SAMPLES

Date Received:

Mar 15 1991

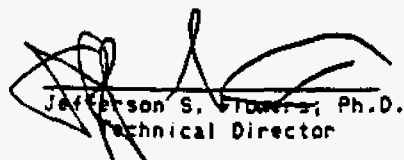
Lab Number : 16493

REPORT OF ANALYSIS

16493					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB_1232	mg/L	0.0001	102	2.36	<0.0001
PCB_1242	mg/L	0.0001	101	3.94	<0.0001
PCB_1248	mg/L	0.0001	102	3.19	<0.0001
PCB_1254	mg/L	0.0001	100	3.52	<0.0001
PCB_1260	mg/L	0.0001	98.7	4.16	<0.0001
Diethylphthalate	mg/L	0.001	101	3.56	<0.001
2-chlorophenol	mg/L	0.001	100	2.54	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	99.5	3.84	<0.001
Phenol	mg/L	0.001	105	4.60	<0.001
2,4,6-trichloropheno	mg/L	0.001	91.8	7.70	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

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FLORIDA 32715-0597
915 407 239-5084
FAX 407 250-6110

0031

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590368

Public Water System Name: Fern Park

Public Water System Type (check one):

☒ Common ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 16493

Sample Location (be specific):

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composit

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Flaw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 3/29/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Mail Results to the
Appropriate DER or ACPHU Office:

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/3/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16493	.00002	<.000005	EPA504.1	.000005	3/29/91
2969	Para-dichlorobenzene	16493	.075	<0.001	EPA502.2	0.001	3/29/91
2976	Vinyl chloride	16493	0.001	<0.001	EPA502.2	0.001	3/29/91
2977	1,1-dichloroethene	16493	0.007	<0.001	EPA502.2	0.001	3/29/91
2980	1,2-dichloroethane	16493	0.003	<0.001	EPA502.2	0.001	3/29/91
2981	1,1,1-trichloroethane	16493	0.2	<0.001	EPA502.2	0.001	3/29/91
2982	Carbon tetrachloride	16493	0.003	<0.001	EPA502.2	0.001	3/29/91
2984	Trichloroethene	16493	0.003	<0.001	EPA502.2	0.001	3/29/91
2987	Tetrachloroethene	16493	0.003	<0.001	EPA502.2	0.001	3/29/91
2990	Benzene	16493	0.001	<0.001	EPA502.2	0.001	3/29/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16493		<0.001	EPA502.2	0.001	3/29/91
2212	Dichlorodifluoromethane	16493		<0.001	EPA502.2	0.001	3/29/91
2214	Bromomethane	16493		<0.001	EPA502.2	0.001	3/29/91
2216	Chloroethane	16493		<0.001	EPA502.2	0.001	3/29/91
2218	Trichlorofluoromethane	16493		<0.001	EPA502.2	0.001	3/29/91
2224	trans-1,3-dichloropropene	16493		<0.001	EPA502.2	0.001	3/29/91
2228	cis-1,3-dichloropropene	16493		<0.001	EPA502.2	0.001	3/29/91
2251	Methyl-tert-butylether	16493		<0.001	EPA502.2	0.001	3/29/91
2380	cis-1,2-dichloroethene	16493		<0.001	EPA502.2	0.001	3/29/91
2408	Dibromomethane	16493		<0.001	EPA502.2	0.001	3/29/91
2410	1,1-dichloropropene	16493		<0.001	EPA502.2	0.001	3/29/91
2412	1,3-dichloropropane	16493		<0.001	EPA502.2	0.001	3/29/91
2414	1,2,3-trichloropropane	16493		<0.001	EPA502.2	0.001	3/29/91
2416	2,2-dichloropropane	16493		<0.001	EPA502.2	0.001	3/29/91
2931	1,2-dibromo-3-chloropropane	16493		<0.001	EPA502.2	0.001	3/29/91
2941	Chloroform	16493		<0.001	EPA502.2	0.001	3/29/91
2942	Bromoform	16493		<0.001	EPA502.2	0.001	3/29/91
2943	Bromodichloromethane	16493		<0.001	EPA502.2	0.001	3/29/91
2944	Dibromochloromethane	16493		<0.001	EPA502.2	0.001	3/29/91
2962	p-xylene	16493		<0.001	EPA502.2	0.001	3/29/91
2964	Methylene chloride	16493		<0.001	EPA502.2	0.001	3/29/91
2965	o-chlorotoluene	16493		<0.001	EPA502.2	0.001	3/29/91
2966	p-chlorotoluene	16493		<0.001	EPA502.2	0.001	3/29/91
2967	m-dichlorobenzene	16493		<0.001	EPA502.2	0.001	3/29/91
2968	o-dichlorobenzene	16493		<0.001	EPA502.2	0.001	3/29/91
2978	1,1-dichloroethane	16493		<0.001	EPA502.2	0.001	3/29/91
2979	trans-1,2-dichloroethene	16493		<0.001	EPA502.2	0.001	3/29/91
2983	1,2-dichloropropane	16493		<0.001	EPA502.2	0.001	3/29/91
2985	1,1,2-trichloroethane	16493		<0.001	EPA502.2	0.001	3/29/91
2986	1,1,1,2-tetrachloroethane	16493		<0.001	EPA502.2	0.001	3/29/91
2988	1,1,2,2-tetrachloroethane	16493		<0.001	EPA502.2	0.001	3/29/91
2989	Chlorobenzene	16493		<0.001	EPA502.2	0.001	3/29/91

2991	Toluene	16493
2992	Ethylbenzene	16493
2993	Bromobenzene	16493
2995	m-xylene	16493
2996	Styrene	16493
2997	o-xylene	16493

Comments:

<0.001	EPA502.2	0.001	3/29/91
<0.001	EPA502.2	0.001	3/29/91
<0.001	EPA502.2	0.001	3/29/91
<0.001	EPA502.2	0.001	3/29/91
<0.001	EPA502.2	0.001	3/29/91
<0.001	EPA502.2	0.001	3/29/91

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16493		<0.000001	EPA515	0.000001	4/2/91
2036	Oxamyl (Vydate)	16493		<0.002	EPA531	0.002	3/19/91
2037	Simazine	16493		<0.007	EPA505	0.007	4/2/91
2040	Picloram	16493		<0.000007	EPA515	0.000007	4/2/91
2041	Dinoseb	16493		<0.000001	EPA515	0.000001	4/2/91
2043	Aldicarb sulfoxide	16493		<0.002	EPA531	0.002	3/19/91
2044	Aldicarb sulfone	16493		<0.002	EPA531	0.002	3/19/91
2045	Metolachlor	16493		<0.0005	EPA505	0.0005	4/2/91
2046	Carbofuran	16493		<0.001	EPA531	0.001	3/19/91
2047	Aldicarb	16493		<0.002	EPA531	0.002	3/19/91
2050	Atrazine	16493		<0.002	EPA505	0.002	4/2/91
2051	Alachlor (Lasso)	16493		<0.0002	EPA505	0.0002	4/2/91
2065	Heptachlor	16493		<0.000005	EPA508	0.000005	3/20/91
2356	Aldrin	16493		<0.000007	EPA508	0.000007	3/20/91
2364	Dieldrin	16493		<0.000001	EPA508	0.000001	3/20/91
2440	Dicamba	16493		<0.000001	EPA515	0.000001	4/2/91
2959	Chlordane	16493		<0.000001	EPA508	0.000001	3/20/91
9114	Pentachlorophenol	16493		<0.005	EPA515	0.005	4/2/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16493		<0.001	EPA508	0.001	4/2/91
2063	Dioxin	16493		<0.000001	EPA613	0.000001	3/20/91
2262	Isophorone	16493		<0.001	EPA609	0.001	3/29/91
2270	2,4-dinitrotoluene	16493		<0.001	EPA609	0.001	3/29/91
2282	Dimethylphthalate	16493		<0.001	EPA606	0.001	3/29/91
2284	Diethylphthalate	16493		<0.001	EPA606	0.001	3/29/91
2290	Di-n-butylphthalate	16493		<0.001	EPA606	0.001	3/29/91
2294	Butyl benzyl phthalate	16493		<0.001	EPA606	0.001	3/29/91
2298	Bis(2-ethylhexyl)phthalate	16493		<0.001	EPA606	0.001	3/29/91
2378	1,2,4-trichlorobenzene	16493		<0.001	EPA612	0.001	3/29/91
2388	PCB 1016	16493		<0.0001	EPA505	0.0001	3/20/91
2390	PCB 1221	16493		<0.0001	EPA505	0.0001	3/20/91
2392	PCB 1232	16493		<0.0001	EPA505	0.0001	3/20/91
2394	PCB 1242	16493		<0.0001	EPA505	0.0001	3/20/91
2396	PCB 1248	16493		<0.0001	EPA505	0.0001	3/20/91
2398	PCB 1254	16493		<0.0001	EPA505	0.0001	3/20/91

2400	PCB 1260	16493	<0.0001	EPA505	0.0001	3/20/91
9089	Diethylphthalate	16493	<0.001	EPA606	0.001	3/29/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16493		<0.001	EPA604	0.001	3/29/91
9112	2-methyl-4,6-dinitrophenol	16493		<0.001	EPA604	0.001	3/29/91
9115	Phenol	16493		<0.001	EPA604	0.001	3/29/91
9116	2,4,6-trichlorophenol	16493		<0.001	EPA604	0.001	3/29/91

Comments:

**CHEMICAL
LABORATORIES
(INCORPORATED)**

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

CLIENT: SSJ Apopka Fla 32703		ADDRESS: 701000 Cedar Place		PHONE: 880-0100	
PROJECT NAME: B 91050		REQUIRED: ☐ Urgent ☒ Routine		DATE: 3/15/91	

Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES:	
	HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)2/NaOH	NaOH/Acetic Acid	60mL	125mL	250mL	500mL	1L	2L	Whit Pak Bag	40mL Vial	250mL	500mL	1L	2L		4L
1																				Swells 1 sample 3 phat NO AIR Bubbles
10																			X	

Kit Relinquished: James Johnson		Date: 3/15/91		Kit Received:		Date:	
		Time: 3:00 pm				Time:	

Parameters: Pure Water		Client Identification/Description: Raw Water	
Laboratory Number: 16493		Composite Samples	
		Well #1 3590111	
		David Hills Well #1 3590111	
		Well #2 3590111	
		Del-Ray Well 1 3590337	
		Well #2 3590337	
		Fern Park Well 1 3590368	

Sample Collection: James Johnson		Date: 3/15/91		Time: 1:30 - 2:45 pm	
Transportation: Truck → Lab					
Lab Acceptance: David L. Sebeck		Date: 3/15/91		Time: 3:00 pm	

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.

484 NEWBURYPORT
P O BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32715-0597
BUS 877 139-4084

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
Southern States
1000 Color Pl.
Apopka, FL 32703

Date Reported: Jun25 1991

PO Number: N/A

PO Number N/A

FDHRS Lab# : 93139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: Water Sample

Date Received: Jun20 1991

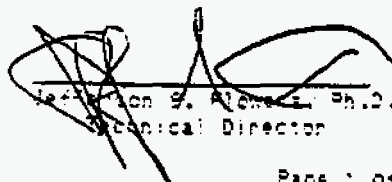
Lab Number : 17195

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	17195		
			%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	88.5	4.14	<0.000005
Para-dichlorobenzene	mg/L	0.001	103	2.16	<0.001
Vinyl chloride	mg/L	0.001	96.1	4.39	<0.001
1,1-dichloroethene	mg/L	0.001	96.1	4.39	<0.001
1,2-dichloroethane	mg/L	0.001	112	3.25	<0.001
1,1,1-trichloroethane	mg/L	0.001	101	4.48	<0.001
Carbon tetrachloride	mg/L	0.001	99.5	4.28	<0.001
Trichloroethene	mg/L	0.001	99.7	3.98	<0.001
Tetrachloroethene	mg/L	0.001	96.0	3.69	<0.001
Benzene	mg/L	0.001	94.9	1.68	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5954
FAX (407) 339-5954

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590368

Public Water System Name: Fern Park

Public Water System Type (check one):

☒ Common ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 17195

Sample Location (be specific): #1 Well

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Flow

☐ Well

☐ Resample

☐ Special

2nd Qtr. VOC

Sampler Name, Title Phone: Jim Johnson

ANALYSIS INFORMATION

Extraction Date: 1/1

Laboratory Contact: J.S. Flowers

Resample Requested? (check) Yes ☐ No ☒

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Jefferson S. Flowers

Mail Results to the
Appropriate DER or ACPHU Office:

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 6/24/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17195	.00002	<.000005	EPA504.1	.000005	6/21/91
2969	Para-dichlorobenzene	17195	.075	<0.001	EPA502.2	0.001	6/21/91
2976	Vinyl chloride	17195	0.001	<0.001	EPA502.2	0.001	6/21/91
2977	1,1-dichloroethene	17195	0.007	<0.001	EPA502.2	0.001	6/21/91
2980	1,2-dichloroethane	17195	0.003	<0.001	EPA502.2	0.001	6/21/91
2981	1,1,1-trichloroethane	17195	0.2	<0.001	EPA502.2	0.001	6/21/91
2982	Carbon tetrachloride	17195	0.003	<0.001	EPA502.2	0.001	6/21/91
2984	Trichloroethene	17195	0.003	<0.001	EPA502.2	0.001	6/21/91
2987	Tetrachloroethene	17195	0.003	<0.001	EPA502.2	0.001	6/21/91
2990	Benzene	17195	0.001	<0.001	EPA502.2	0.001	6/21/91

Comments:

FDEN	Lab	2019
FDEN	Lab	2019
FDEN	Lab	2019
FDEN	Lab	2019

ANALYTICAL & CONTRIBUTING CHEMISTS
CHAMBER OF COMMERCE RECORD
DINWIDDIE WALKER 17-550

(1) Client S.S.U. Services		(2) Address 1000 Col. Pl. Appleton, WI 54912		(3) Phone 880-0058	
(4) Public Drinking Water ID # 5590368		(5) Public Water System Name: FRANK			
(6) Project #		(7) Public Water System Type			
(8) POP		(9) Community ☒ Non-Community ☐ Special Non-Community ☐			

Preservative							Plastic Containers							Glass Containers							ANIES:	
100ml	250ml	500ml	1L	Water-Pac Bag	100ml	250ml	500ml	1L	2L	4L	100ml	250ml	500ml	1L	2L	4L	Turn Around Time:	Working Days:				
																	10 Working Days:					
																	5 Working Days:					
																	3 Working Days:					
																	1 Working Day:					
																	Other:					

(10) RA Relinquished:	(11) Date	(12) RA Received	(13) Date
		A. Johnson	6/14/91
			12:00 Noon

SAMPLE INFORMATION; SAMPLE DATE: MONTH 6 DATE 19 YEAR 91
 SAMPLE TYPE (check all applicable); () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
☒ ran, ☒ well, () resample, () special
 SAMPLE'S NAME: James Johnson TITLE: Operator PHONE: 880-005
 SAMPLE'S SIGNATURE: James Johnson
 NOTES:

VOC's Composite
one well at Fern Park:

ii. Parameter Group(s) Analyzed: Turbidity ; Inorganic ; Trihalomethane ; Volatiles Organic ☒
Organic Chemical ; Secondary Chemical ; Radionuclide ; Unregulated Organic Pesticide ;
Unregulated Organic Pesticide ; Unregulated Base Neutral Extractable ; Unregulated Acid Extractable

(1) Laboratory Number

17195

(15) Bond Sample Identification

01 _____
02 _____
03 _____
04 _____
05 _____
06 _____
07 _____
08 _____
09 _____
10 _____

(6) Collector's Signature: James Johnson
(7) Inspector's Signature: [Signature]
(8) Lab Acceptance By: R. S. [Signature]

Date: 6/20/91
Time: 6:45 AM

Date: 6/20/91
Time: 11:00 AM



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-11-011
Date Received: 11/01/90
Date Reported: 11/08/90
OLI Contact: E HOBBES

Work ID: 3590368 WT Plant Fern Park
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 PWS026

02 PWS031

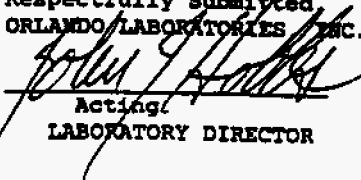
TEST CODES and NAMES used on this report

PWS026 Turbidity Analysis

PWS031 Secondary Chem. Analysis (odor)

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted
ORLANDO LABORATORIES INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

(407) 896-6645

(800) 826-8320

FAX (407) 896-6588

PUBLIC DRINKING WATER ANALYSIS REPORTING FORM

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590368
Public Water System Name: Wt Plant Fern Park
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Turbidity Analysis, Secondary Chem. Analysis

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 11/01/90
Laboratory Sample Number: 90-11-011
Sample Location: _____
Sample Type (check all applicable):
☐ Check ☒ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☒ Re-sample
☐ Special _____
Sampler Name, Title, Phone: Tim Johnson, Operator, 880-0059

ANALYSIS INFORMATION

Extraction Date (MMDDYY): N/A
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane;
Volatile Organic; Organic Chemical; Secondary Chemical;
Radiological; Unregulated Organic Purgeable; Unregulated
Organic Pesticides; Unregulated Base Neutral Extractable;
Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEARBY CERTIFY that all data submitted is correct.

Signature Eric Malarek
Name Eric Malarek
Title Quality Control Officer
Laboratory Orlando Laboratories, Inc.
Date 11/8/90

Mail Results to the
Appropriate DER or
ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
Received: 11/01/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-11-011

SAMPLE ID PMS026
DATE COLLECTED 11/01/90 10:00:00
TEST NAME Turbidity Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PMS026

TURBIDITY ANALYSIS
17-550.310(3)
(PMS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100 Turbidity			<0.50	EPA 180.1	11/02/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 11/01/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-11-011

SAMPLE ID PMS031
DATE COLLECTED 11/01/90 10:15:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PMS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PMS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			NOT ANALYZED			
1017 Chloride			NOT ANALYZED			
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			NOT ANALYZED			
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			NOT ANALYZED			
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			NOT ANALYZED			
1031 Magnesium			NOT ANALYZED			
1032 Manganese			NOT ANALYZED			
1055 Sulfate			NOT ANALYZED			
1095 Zinc			NOT ANALYZED			
1901 Carbon Dioxide			NOT ANALYZED			
1905 Color (color units)			NOT ANALYZED			
1915 Total Hardness			NOT ANALYZED			
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			2.0	EPA 140.1		11/02/90
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			NOT ANALYZED			
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 11/01/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-11-011
Continued From Above

SAMPLE ID PMS031
DATE COLLECTED 11/01/90 10:15:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PMS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PMS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1930 TDS	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1931 Phenolphthalein Alk.	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1996 Field Temp. (C)	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1997 Langlier Index pHs	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1998 Saturation Index	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1999 Stability Index	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
2909 Foaming Agents	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
9996 Field DO	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
9997 Field Chlorine	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____

Comments:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-11-011
Page: 5

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Odor	<1	NA	11/02/90	DR
Turbidity	<1	NA	11/02/90	DR

End of Report



Page 1 of 1

[illegible]

ORIGINAL	LAB
YF 19 43W	116 E
111B	11111

0047



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-11-082
Date Received: 11/07/90
Date Reported: 11/14/90
OLI Contact: E_HOBBS

Work ID: 3590368 Farn Park
Total Samples: 1

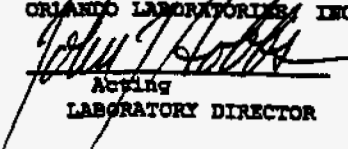
Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 PW 5031

TEST CODES and NAMES used on this report
PWS031 Secondary Chem. Analysis (Odor)

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

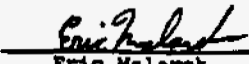
Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

(407) 896-6645

Dedicated To Excellence

(800) 826-8320


Eric Malarek
QUALITY CONTROL

FAX (407) 888-6588

ORLANDO LABORATORIES, INC.
Received: 11/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-11-082

SAMPLE ID PW 5031
DATE COLLECTED 11/05/90 15:45:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			NOT ANALYZED			
1017 Chloride			NOT ANALYZED			
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			NOT ANALYZED			
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			NOT ANALYZED			
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			NOT ANALYZED			
1031 Magnesium			NOT ANALYZED			
1032 Manganese			NOT ANALYZED			
1055 Sulfate			NOT ANALYZED			
1095 Zinc			NOT ANALYZED			
1901 Carbon Dioxide			NOT ANALYZED			
1905 Color (color units)			NOT ANALYZED			
1915 Total Hardness			NOT ANALYZED			
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			1.0	EPA 140.1	1	11/09/90
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			NOT ANALYZED			
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 11/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-11-082
Continued From Above

SAMPLE ID PN 5031
DATE COLLECTED 11/06/90 15:45:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-850.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity	_____	_____	NOT ANALYZED	_____	_____	_____
1930 TDS	_____	_____	NOT ANALYZED	_____	_____	_____
1931 Phenolphthalein Alk.	_____	_____	NOT ANALYZED	_____	_____	_____
1996 Field Temp. (C)	_____	_____	NOT ANALYZED	_____	_____	_____
1997 Langlier Index pHs	_____	_____	NOT ANALYZED	_____	_____	_____
1998 Saturation Index	_____	_____	NOT ANALYZED	_____	_____	_____
1999 Stability Index	_____	_____	NOT ANALYZED	_____	_____	_____
2909 Foaming Agents	_____	_____	NOT ANALYZED	_____	_____	_____
9996 Field DO	_____	_____	NOT ANALYZED	_____	_____	_____
9997 Field Chlorine	_____	_____	NOT ANALYZED	_____	_____	_____

Comments:

Southern States Utilities
Attn: Aaron Parlowich

Report No: 90-11-082
Page: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES % DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	NA	11/09/90	DR

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORM

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590368
 Public Water System Name: Fern Park
 Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Secondary Chemical Analysis

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 11/06/90
 Laboratory Sample Number: 90-11-082
 Sample Location: _____
 Sample Type (check all applicable):

☐ Check	☒ Regular Distribution	☐ Composite
☐ Clearance	☐ Maximum Residence Time	☒ Plant Tap
☐ Raw	☐ Well	☒ Re-sample
☐ Special		

Sampler Name, Title, Phone: Jim Johnson - Operator - 880-0058

ANALYSIS INFORMATION

Extraction Date (MMDDYY): N/A
 Laboratory Contact: Eric Malarek
 Re-sample Requested? (check one): ☐ Yes ☐ No
 ANALYSES SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
 Volatile Organic___; Organic Chemical___; Secondary Chemical ☒;
 Radiological___; Unregulated Organic Purgeable___; Unregulated
 Organic Pesticides___; Unregulated Base Neutral Extractable___;
 Unregulated Acid Extractable___; (Check all analyses which apply.)

I do HEARBY CERTIFY that all data submitted is correct.

Signature Eric Malarek

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date 11/15/90

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☒ Satisfactory ☐ Unsatisfactory



CHAIN-OF-CUSTODY RECORD
(INSTRUCTIONS ON BACK)

Page 1 of 1[illegible]

ORIGINAL - LAB
YELLOW - FILE
BLUE - CLIENT

0053



ORLANDO LABORATORIES INC

P/and F-12

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-11-352
Date Received: 11/29/90
Date Reported: 12/08/90
OLI Contact: E_HOBBS

Work ID: 3590368 Fern Park
Total Samples: 1

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Fern Park

TEST CODES and NAMES used on this report
PWS031 Secondary Chem. Analysis Order

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted
ORLANDO LABORATORIES, INC.

[Signature]
Acting
LABORATORY DIRECTOR

Dedicated To Excellence

[Signature]
Eric Malarek
QUALITY CONTROL

407 896-6645

800 826-8320

FAX 407 896-6588

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: FERN PARK
Public Water System Type (check one):
() Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Secondary Analysis (Odor only)

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 11/29/90
Laboratory Sample Number: 90-11-352
Sample Location: _____
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well () Re-sample
() Special
Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): N/A
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): () Yes () No
ANALYSES SUBMITTED: Turbidity__ ; Inorganic__ ; Trihalomethane__ ;
Volatile Organic__ ; Organic Chemical__ ; Secondary Chemical__ ;
Radiological__ ; Unregulated Organic Purgeable__ ; Unregulated
Organic Pesticides__ ; Unregulated Base Neutral Extractable__ ;
Unregulated Acid Extractable__ ; (Check all analyses which apply.)

I do HEARBY CERTIFY that all data submitted is correct.

Signature Eric Malarek
Name Eric Malarek
Title Quality Control Officer
Laboratory Orlando Laboratories, Inc.
Date 12/8/90

Mail Results to the
Appropriate DER or
ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

ORLANDO LABORATORIES, INC.
Received: 11/29/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-11-352

SAMPLE ID Fern Park
DATE COLLECTED 11/28/90 16:30:00
TEST NAME Secondary Chem. Analysis

SAMPLE#
MATRIX
TEST CODE
DIA
WATER
PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			NOT ANALYZED			
1017 Chloride			NOT ANALYZED			
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			NOT ANALYZED			
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			NOT ANALYZED			
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			NOT ANALYZED			
1031 Magnesium			NOT ANALYZED			
1032 Manganese			NOT ANALYZED			
1055 Sulfate			NOT ANALYZED			
1095 Zinc			NOT ANALYZED			
1901 Carbon Dioxide			NOT ANALYZED			
1905 Color (color units)			NOT ANALYZED			
1915 Total Hardness			NOT ANALYZED			
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			1.0	EPH 140.1	1	11/29/90
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			NOT ANALYZED			
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 11/29/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-11-252
Continued From Above

SAMPLE ID Fern Park
DATE COLLECTED 11/28/90 16:30:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1930 TDS	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1931 Phenolphthalein ALK.	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1996 Field Temp. (C)	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1997 Langlier Index pHs	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1998 Saturation Index	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1999 Stability Index	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
2909 Foaming Agents	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
9996 Field DO	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
9997 Field Chlorine	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____

Comments:

Southern States Utilities
Attn: Aaron Parlowich

Report No: 90-11-352
Page: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES % DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	NA	11/29/90	DR

End of Report

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 896-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0059

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

FOR LAB USE ONLY

DEC 13 1 40 PM '91

12/17

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: FERN PARK SYSTEM I.D. NO: 3590368 SYSTEM PHONE # 880-0058
ADDRESS: c/o 1000 Color Place COUNTY: SEMINOLE DER DISTRICT: CENTRAL
COLLECTOR: Jim Johnson COLLECTOR PHONE #: 880-0058
SAMPLE SITE (Locality or Subdivision): 129 E. Lauren / Hamlin FERN PARK
DATE AND TIME COLLECTED: 9:30 A.M. 12/16/1991

TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system

TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement (Check Box)
(Check Box) [] Distribution [] TNTC or C
[] Raw [] Turbid (Specify)

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	pH	ANALYSIS METHOD: HF	MTF	MMO-MAG	PA	
				SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
5	WELL # 1 Raw At Plt.	0.0	6.8	U-2-40		A		
6	Pressure Tank At Plt.	0.8	7.2	U-2-47		A		
7	122 Tanglewood Dr. Dist.	0.8	—	U-2-48		A		
8	200 O'Brien Rd. R.T.	0.6	—	U-2-49		A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present
A - Coliforms are absent

C - Confluent growth
TNTC - Too numerous to count

TA - Turbid, Absence of gas or acid

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.J. SERVICES
1000 Color Place
APOFMA, FL 32703

- () SATISFACTORY
(X) INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES

REVIEWING OFFICIAL: JR

TITLE: DER

USE Form 100, Jan 81 (Obsolete previous editions which may not be used)
(Print Number: 1700-100-0001)

Fern Terrace - 552

Lake County (SSU)

Water

- 1992 FPSC Filing -

Fern Terrace

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	6/90
Organic	6/90
Volatile Organic Chemicals	6/90
	9/90
	12/90
	3/91
Turbidity	6/90
Microbiological	12/91
Radionuclide	6/90
Secondary Contaminants	6/90
Unregulated Contaminants	3/91



ORLANDO LABORATORIES INC

AUG 2 1990

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-06-080
Date Received: 06/07/90
Date Reported: 07/30/90
OLI Contact: E_HOBBS

Work ID: #552 Fern Terrace
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Distribution
01 Well
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report

PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS033 Radiological Analysis

Results on Odor Attached

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 22141, Environmental Certification Number 223033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

Acting
LABORATORY DIRECTOR

Eric Malarek
Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-080

SAMPLE ID Distribution
DATE COLLECTED 06/07/90 08:30:00
TEST NAME Turbidity Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS025

TURBIDITY ANALYSIS
17-550.310(3)
(PWS025)

Parameter ID Name	Sample Number	Location Code	Analysis Result(NTU)	Analytical Method	Analysis Date
0100 Turbidity			<u><1.0</u>	<u>EPA 180.1</u>	<u>06/08/90</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-080

SAMPLE ID Distribution
DATE COLLECTED 06/07/90 09:30:00
TEST NAME Organic Chemical Analysis

SAMPLE# Q1A
MATRIX WATER
TEST CODE PMS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PMS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	06/14/90
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	06/14/90
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	06/14/90
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	06/14/90
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	06/13/90
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	06/13/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-080

SAMPLE ID Distribution
DATE COLLECTED 06/07/90 08:30:00
TEST NAME Inorganic Analysis

SAMPLE# Q1A
MATRIX WATER
TEST CODE PMS030

INORGANIC ANALYSIS
17-550.310(1)
(PMS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	06/12/90
1010 Barium			<0.100	EPA 200.7	0.100	06/11/90
1015 Cadmium			<0.005	EPA 213.2	0.005	06/11/90
1020 Chromium			<0.010	EPA 218.2	0.010	06/11/90
1025 Fluoride			0.12	EPA 340.2	0.1	06/09/90
1030 Lead			<0.010	EPA 239.2	0.010	06/11/90
1035 Mercury			<0.0005	EPA 245.1	0.0005	06/16/90
1040 Nitrate (as N)			5.7	EPA 352.2	0.03	06/09/90
1045 Selenium			<0.005	EPA 270.2	0.005	06/10/90
1050 Silver			<0.010	EPA 272.2	0.010	06/10/90
1052 Sodium			9.10	EPA 200.7	0.001	06/11/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-080

SAMPLE ID Distribution
DATE COLLECTED 06/07/90 08:30:00
TEST NAME Secondary Chem. Analysis

SAMPLE#
MATRIX
TEST CODE
Q1A
WATER
PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			NOT ANALYZED			
1017 Chloride			10	SM 407	1.0	06/08/90
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	06/11/90
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			.12	EPA 340.2	0.1	06/09/90
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			<0.100	EPA 200.7	0.100	06/11/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	06/11/90
1055 Sulfate			11	EPA 375.4	1.0	06/11/90
1095 Zinc			<0.050	EPA 200.7	0.050	06/11/90
1901 Carbon Dioxide			3.0	SM 406 C	1.0	07/30/90
1905 Color (color units)			<5	EPA 270.2	5 PCU	06/08/90
1915 Total Hardness			96.0	EPA 200.7	0.050	06/11/90
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			<i>Resampled</i> 4	EPA 140.1	1	06/08/90
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			7.83	EPA 150.1	N/A	06/08/90
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-080
Continued From Above

SAMPLE ID Distribution
DATE COLLECTED 06/07/90 08:30:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PHS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PHS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			100	EPA 310.1	2.0	06/08/90
1930 TDS			160	EPA 160.1	1.0	06/11/90
1931 Phenolphthalein Alk.			<2.0	EPA 310.1	2.0	06/08/90
1996 Field Temp. (C)			NOT ANALYZED			
1997 Langlier Index pHs			7.84	EPA 2330	N/A	07/05/90
1998 Saturation Index			-0.01	EPA 2330	N/A	07/05/90
1999 Stability Index			7.85	EPA 2330	N/A	07/05/90
2909 Foaming Agents			<0.10	EPA 425.1	0.1	07/26/90
9996 Field DO			NOT ANALYZED			
9997 Field Chlorine			NOT ANALYZED			

Comments:

NOTE: Foaming Agents resampled 07/25/90.

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-080

SAMPLE ID Distribution
DATE COLLECTED 06/07/90 08:30:00
TEST NAME Radiological Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result (pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u>1.8</u>	<u>EPA 900.0</u>	<u>0.5</u>	<u>06/15/90</u>
4006 Total Uranium	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>
4010 Total Radium	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>
4020 Radium-226	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>
4030 Radium-228	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>
4100 Gross Beta	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-080

SAMPLE ID Well
DATE COLLECTED 06/07/90 08:30:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01B
MATRIX WATER
TEST CODE PMS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PMS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	06/11/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	06/08/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	06/08/90
2977 1,1-Dichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	06/08/90
2984 Trichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2987 Tetrachloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2990 Benzene			0.0005 U	EPA 524	0.0005	06/08/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-080

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PHS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PHS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	06/11/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	06/08/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	06/08/90
2977 1,1-Dichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	06/08/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	06/08/90
2987 Tetrachloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2990 Benzene			0.0005 U	EPA 524	0.0005	06/08/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-080

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PMS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PMS029)

Parameter ID Name	Sample Number	Location Code	Analysis Resulting(1)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	06/14/90
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	06/14/90
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	06/14/90
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	06/14/90
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	06/13/90
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	06/13/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-06-080

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02A : NOTEST

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-06-080
Page No: 12

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Gross Alpha	3.2	88	06/15/90	JAB
Selenium	<1	101	06/10/90	CFG
Silver	<1	98	06/10/90	CFG
Lead	<1	93	06/11/90	JC
Barium	<1	103	06/11/90	BB
Cadmium	<1	108	06/11/90	BB
Chromium	<1	104	06/11/90	BB
Sodium	<1	104	06/11/90	BB
Iron	<1	103	06/11/90	BB
Manganese	<1	98	06/11/90	BB
Zinc	<1	106	06/11/90	BB
Calcium	<1	101	06/11/90	BB
Arsenic	<1	105	06/12/90	CFG
Mercury	<1	99	06/16/90	CJP
Odor	<1	N/A	06/08/90	KM
Color	<1	N/A	06/08/90	KH
Turbidity	<1	N/A	06/08/90	KH
Chloride	<1	103	06/08/90	DB
pH	<1	N/A	06/08/90	KH
Total Alkalinity	<1	101	06/08/90	KH
Nitrogen, Nitrite	<1	29	06/09/90	DE
Nitrogen, Nitrate	<1	95	06/09/90	DB
Sulfate	3	105	06/11/90	RJW
Fluoride	1	105	06/09/90	DB
TDS	0	94	06/11/90	KH
MBAS	<1	94	07/16/90	RJW

NOTE: The duplicate for Gross Alpha is reported as actual difference rather than percent as specified.

ORLANDO LABORATORIES, INC.

GC ORGANICS

Page No: 13

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 06-11-1990

LAB SAMPLE # : 9006064-01a
ANALYSIS DATE : 06/11/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	8	55	55	50	50	5

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	19	96	20	35	96	20

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

Page No: 14

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 06-10-1990

LAB SAMPLE # : 9004300-1
ANALYSIS DATE : 6/8/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS : RECOVERY	MSD RESULT	MSD: RECOVERY	RPD
1,1-dichloroethene	50	0	54	108	55	110	2
trichloroethene	50	0	57	114	54	108	5
benzene	50	0	60	120	54	108	11
toluene	50	0	54	108	50	100	8
chlorobenzene	50	0	54	108	53	106	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	61	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

ORLANDO LABORATORIES, INC.

GC ORGANICS

Page No: 15

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 06-13-1990

LAB SAMPLE # : 9006080-01a
ANALYSIS DATE : 06/13/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
2,4,5-TP (silvex)	100	0	42	42 %	55	55	27

COMMENTS : * = parameter outside GC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
2,4,5-TP (silvex)	53	132	30	50	130	35

End of Report

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-8588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

05785

Page _____ of _____

[illegible]

ORIGINAL - LAM
YELLOW - FILE
PINK - CLIENT

0078

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: FERN TERRACE
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Turbidity, Volatile, Organic, Inorganic, Sec. Chem &
Subcontracted Lab Certification Number (if any): N/A Radiological Analysis.

SAMPLE INFORMATION

Sample Date (MMDDYY): 06/07/90
Laboratory Sample Number: 90-06-080
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special _____
Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 1/1 504 → 6/9/90
N/A 615 → 6/9/90
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity ☐ Inorganic ☐ Trihalomethane ☐ Volatile Organic ☐ Organic Chemical ☐
Secondary Chemical ☐ Radiological ☐ Unregulated Organic Purgable ☐ Unregulated Organic Pesticide ☐
Unregulated Base Neutral Extractable ☐ Unregulated Acid Extractable ☐ (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
Name: Eric Malarek
Title: Quality Control Officer
Laboratory: Orlando Laboratories, Inc.
Date: 6-29-90

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ORLANDO LABORATORIES INC.

AUG 12 1990

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-07-306
Date Received: 07/25/90
Date Reported: 07/30/90
OLI Contact: E_HOBBS

Work ID: 552 Fern Terrace
Total Samples: 1

Sampling information is based on data supplied by Client

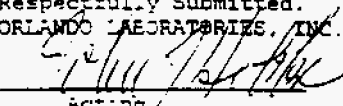
SAMPLE IDENTIFICATION
01 Fern Terrace

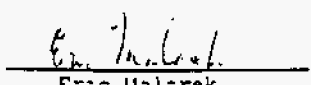
TEST CODES and NAMES used on this report
ODOR Odor Threshold

NOTE: Foaming Agents found on work order #90-06-080.

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number B3141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting/
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6558

ORLANDO LABORATORIES, INC.
Received: 07/25/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-07-305

SAMPLE ID	<u>Fern Terrace</u>	SAMPLE #	<u>01A</u>
DATE COLLECTED	<u>07/25/90 08:30:00</u>	MATRIX	<u>WATER</u>
DDDR	<u>1.0</u>		
	<u>T.O.N.</u>		

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-07-306
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES % DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	N/A	07/25/90	DR

End of Report



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

№ 05958

Page _____ of _____

[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0083



ORLANDO LABORATORIES ^{INC.}

P.O. Box 149127 • Orlando, Florida 32814
REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-08-033
Date Received: 08/02/90
Date Reported: 08/06/90
OLI Contact: E_HOBBS

Work ID: 552 Fern Terrace
Total Samples: 1

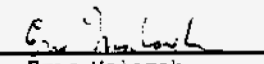
Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Fern Terrace (retest)	ODOR Odor Threshold

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 33141. Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 896-6588

ORLANDO LABORATORIES, INC.
Received: 08/02/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-033

SAMPLE ID	<u>Fern Terrace (retest)</u>	SAMPLE #	<u>01A</u>
DATE COLLECTED	<u>08/02/90 12:00:00</u>	MATRIX	<u>WATER</u>
DOOR	<u>1.0</u>		
	<u>T.O.N.</u>		

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-08-033
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES</u> <u>% DIFFERENCE</u>	<u>SPIKES</u> <u>% RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	1	N/A	08/03/90	CM

End of Report



ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

No 05960

Page _____ of _____

1. CONTACT PERSON/PHONE # INVOICE				2. OLD WORK ORDER # (LAB USE)			
1-800-432-4501				7008033			
3. CONTACT PERSON/PHONE # REPORT (401)				5. NO NUMBER # (LAB USE)			
880-0100				1513			
6. REQUESTED ANALYSIS				7. REMARKS			
color							
8. SAMPLE IDENTIFICATION				9. DATE/TIME			
Eern Terrace				8/2/90			
10. SAMPLE DESCRIPTION				11. NUMBER OF CONTAINERS			
Parcel of Distribution				1			
12. RETEST							
13. TRANSFER NUMBER				14. RELINQUISHED BY			
1st				Lana Shaffer			
2nd							
3rd							
15. DATE/TIME				16. ACCEPTED BY			
8-2-90 2:00 PM				Dennis Halding			
17. ADDITIONAL REMARKS				18. COOLER #s			
8/2/90 2 PM							
19. SAMPLER'S SIGNATURE				20. SIGNATURE			
Lana Shaffer				Lana Shaffer			

ORIGINAL - LAB
YELLOW - FEE
PINK - CLIENT

0087



ORLANDO LABORATORIES^{INC}

SSU File

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-08-101
Date Received: 08/08/90
Date Reported: 08/15/90
OLI Contact: E_HOBBS

Work ID: 552 Fern Terrace
Total Samples: 1

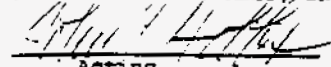
Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Fern Terrace

TEST CODES and NAMES used on this report
ODOR Odor Threshold

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

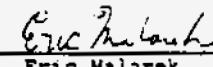
Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence

(407) 596-6645

(800) 826-8320


Eric Malarek
QUALITY CONTROL

FAX (407) 598-6586

ORLANDO LABORATORIES, INC.
Received: 08/08/90

REPORT OF ANALYSIS
Results by Sample

Page 1
Work Order # 90-08-101

SAMPLE ID	<u>Fern Terrace</u>	SAMPLE #	<u>01A</u>
DATE COLLECTED	<u>08/08/90 09:00:00</u>	MATRIX	<u>WATER</u>
QDDR	<u>1.0</u>		
	<u>T.O.N.</u>		

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-08-101
Page: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES</u> <u>% DIFFERENCE</u>	<u>SPIKES</u> <u>% RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	NA	08/09/90	RAW

End of Report

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6580

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

№ 05962

Page ____ of ____

[illegible]

ORIGINAL - LAM
YELLOW - FILE
PINK - CLIENT

0091



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-09-310
Date Received: 09/27/90
Date Reported: 10/03/90
OLI Contact: E_HOBBS

Work ID: 552 #3350370 Fern Terrace
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

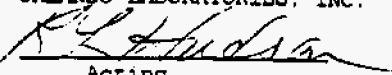
01 #1 well
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report
PWS028 Volatile Organic Analysis

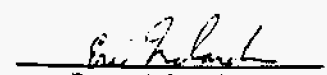
2nd Qtr. VOC

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

(407) 896-6545

(800) 826-6320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 09/27/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-03-310

SAMPLE ID #1 well
DATE COLLECTED 09/27/90 14:00:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg)	Analytical Method	Det. Lt. Used	Analysis Date
1040 Ethylene dibromide			0.00002	EPA 504	0.00002	09/01/90
1060 Para-dichlorobenzene			0.0005	EPA 524	0.0005	09/28/90
1070 Vinyl Chloride			0.0005	EPA 524	0.0005	09/28/90
1077 1,1-Dichloroethene			0.0005	EPA 524	0.0005	09/28/90
1080 1,2-Dichloroethane			0.0005	EPA 524	0.0005	09/28/90
1081 1,1,1-Trichloroethane			0.0005	EPA 524	0.0005	09/28/90
1082 Carbon Tetrachloride			0.0005	EPA 524	0.0005	09/28/90
1084 Trichloroethene			0.0005	EPA 524	0.0005	09/28/90
1087 1,2,3-Trichloroethane			0.0005	EPA 524	0.0005	09/28/90
1090 Benzene			0.0005	EPA 524	0.0005	09/28/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 09/27/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-310

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analytes

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PH5008

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (P)
PH5008

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
1346 Ethylene dibromide			<u>0.00001 U</u>	<u>EPA 824</u>	<u>0.00002</u>	<u>10/01/90</u>
1359 Parachlorobenzene			<u>0.0005 U</u>	<u>EPA 824</u>	<u>0.0005</u>	<u>09/28/90</u>
1376 Vinyl Chloride			<u>0.0005 U</u>	<u>EPA 824</u>	<u>0.0005</u>	<u>09/28/90</u>
1377 1,1-Dichloroethene			<u>0.0005 U</u>	<u>EPA 824</u>	<u>0.0005</u>	<u>09/28/90</u>
1380 1,2-Dichloroethane			<u>0.0005 U</u>	<u>EPA 824</u>	<u>0.0005</u>	<u>09/28/90</u>
1381 1,1,1-Trichloroethane			<u>0.0005 U</u>	<u>EPA 824</u>	<u>0.0005</u>	<u>09/28/90</u>
1382 Carbon Tetrachloride			<u>0.0005 U</u>	<u>EPA 824</u>	<u>0.0005</u>	<u>09/28/90</u>
1384 Trichloroethene			<u>0.0005 U</u>	<u>EPA 824</u>	<u>0.0005</u>	<u>09/28/90</u>
1385 Tetra-chloroethene			<u>0.0005 U</u>	<u>EPA 824</u>	<u>0.0005</u>	<u>09/28/90</u>
1390 Benzene			<u>0.0005 U</u>	<u>EPA 824</u>	<u>0.0005</u>	<u>09/28/90</u>

Comments:

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 10-01-1990

LAB SAMPLE # : 9009282-1&2
ANALYSIS DATE : 10/01/90

COMPOUND	AMOUNT	SAMPLE	MS	MS %	MSD	MSD%	RPD
	SPIKED	RESULT	RESULT	RECOVERY	RESULT	RECOVERY	
ETHYLENE DIBROMIDE	100	0	0	0 %	62	62	0 %

COMMENTS : % = parameter outside GC limits.
Spike compound(s) not found in MS or MSD run.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	50	100	20	35	90	20

high matrix interference on 282-1 prevented recovery calculations

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 10-03-1990

LAB SAMPLE # : 9009310-2 524
ANALYSIS DATE : 9/28/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS 2 RECOVERY	MS3 RESULT	MS32 RECOVERY	RPD
1,1-dichloroethene	50	0	48	96	50	100	4
trichloroethene	50	0	54	108	48	96	12
benzene	50	0	52	104	53	106	2
toluene	50	0	53	106	55	110	4
chlorobenzene	50	0	54	108	53	106	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	52	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	74	127	11	44	142	21
toluene	76	125	13	39	139	21
chlorobenzene	75	120	13	40	133	21

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID Number: 3350370

Public Water System Name: East Tennessee

Public Water System Type (check one):

☒ Community

☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141

Parameter Group(s) Analyzed: Volatile Organics

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 09/27/98

98-09-318

Laboratory Sample Number: _____

Sample Location (be specific): Plant

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☒ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Re-sample

☐ Special

Sampler Name, Title, Phone: Don Corder, Area Supervisor, 888-8858

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 09/27/98

Laboratory Contact: Eric Malarek

Re-sample Requested? (check one): ☐ Yes ☒ No

ANALYSES SUBMITTED: Turbidity ☐; Inorganic ☐; Trichloromethane ☐; Volatile Organic ☒; Organic Chemical ☐;
Secondary Chemical ☐; Radiological ☐; Unregulated Organic Pesticide ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek

Name: Eric Malarek

Title: Quality Control Officer

Laboratory: Orlando Laboratories, Inc.

Date: 10/3/98

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 898-6845 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1

INVOICE TO (COMPANY AND INDIVIDUAL) SSU Services		ADDRESS (CITY, STATE, ZIP) 1000 Color Place - Apopka		1	CONTACT PERSON/PHONE # INVOICE	2	OLI WORK ORDER # (LAB USE) 9009310	3		
ORIGINAL REPORT TO: (COMPANY AND INDIVIDUAL) Same		ADDRESS (CITY, STATE, ZIP)		4	CONTACT PERSON/PHONE # REPORT	5	RB NUMBER (LAB USE) 2100	6		
(OPTIONAL) ADDITIONAL REPORTS SENT TO:		ADDRESS (CITY, STATE, ZIP)		7	18 REQUESTED ANALYSIS NOCS (DISC)			19		
CLIENT PROJECT NAME SSU - Fern Terrace		CLIENT PROJECT # 552		8					9	
10	11	12		13		17		19		
SAMPLE IDENTIFICATION	DATE/TIME	COMP	GLASS	WATER	SOL	OTHER	SAMPLE DESCRIPTION		NUMBER OF CONTAINERS	
#1 Well	9/27/2005			☒					5	
TRANSFER NUMBER	RELINQUISHED BY	14	DATE/TIME	15	ACCEPTED BY	16	ADDITIONAL REMARKS	20	COOLER #'s	21
1st	<i>[Signature]</i>		9/27/2005							
2nd	<i>[Signature]</i>		9-27/1605		<i>[Signature]</i>					
3rd										
SAMPLER'S SIGNATURE <i>[Signature]</i>							22			

ORIGINAL - LAB
YELLOW - FILE

8600



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

January 8, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Blvd. Suite 232
Orlando, Florida 32803

Re: Skycrest PWS ID #3351205/3rd Quarter VOC's/#2 Well Turbidity
Grand Terrace PWS ID #3354697/3rd Quarter VOC's
Fern Terrace PWS ID #3350370/3rd Quarter VOC's
Imperial Terrace PWS ID #3350584/3rd Quarter VOC's
Fern Park PWS ID #3590368/2nd Quarter VOC's

Dear Ms. Carrasquillo,

Please find attached results for VOC's and Turbidity for the above mentioned plants.
Please enter this in your records.

Thank you for your cooperation.

Sincerely,

SSU Services

Donald B. Corder

Don Corder
Area Supervisor

DC/jlm

cc: Aaron Perlowich
Engineering
File



ORLANDO LABORATORIES ^{INC}

Dr.

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-12-281
Date Received: 12/19/90
Date Reported: 12/31/90
OLI Contact: L_BALTZLEY

Work ID: #552 Fern Terrace
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Fern Terrace Well
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report
FWS028 Volatile Organic Analysis

3rd Qtr.

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES ^{INC.}

John J. Locke
Acting
LABORATORY DIRECTOR

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

Eric Malarek
Eric Malarek
QUALITY CONTROL

FAX (407) 896-6588

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-281

SAMPLE ID Fern Terrace Well
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PW5028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PW5028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analysis Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 524	0.00002	12/20/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	12/20/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	12/20/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2992 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	12/20/90
2994 Trichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2997 Tetrachloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2990 Benzene			0.0005 U	EPA 524	0.0005	12/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-281

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	12/20/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	12/20/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	12/20/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	12/20/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2987 Tetrachloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2990 Benzene			0.0005 U	EPA 524	0.0005	12/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-12-281

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02A : NOTEST

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 12-23-1990

LAB SAMPLE # : 9012284-2 524
ANALYSIS DATE : 12/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD RECOVERY	RPD
1,1-dichloroethene	50	0	52	104	60	120	14
trichloroethene	50	0	61	122 *	51	102	18 *
benzene	50	0	51	102	52	104	2
toluene	50	0	57	114	54	108	5
chlorobenzene	50	0	59	118	53	106	11

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	61	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 12-20-1990

LAB SAMPLE # : 9012283&284-1
ANALYSIS DATE : 12/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	50	50	53	53	6

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	: 50	100	20	: 35	90	20

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORM

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____

Public Water System Name: FERN TERRACE

Public Water System Type (check one):

☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141Parameter Group(s) Analyzed: Volatile Organic Analysis

Subcontracted Lab Certification Number (if any):

N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): _____

Laboratory Sample Number: 90-12-281

Sample Location: _____

Sample Type (check all applicable):

☐ Check	☐ Regular Distribution	☐ Composite
☐ Clearance	☐ Maximum Residence Time	☐ Plant Tap
☐ Raw	☐ Well	☐ Re-sample
☐ Special		

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 12/19/90 (504)Laboratory Contact: Eric MalarekRe-sample Requested? (check one): ☐ Yes ☐ No

ANALYSES SUBMITTED: Turbidity__ ; Inorganic__ ; Trihalomethane__ ;
Volatile Organic__ ; Organic Chemical__ ; Secondary Chemical__ ;
Radiological__ ; Unregulated Organic Purgeable__ ; Unregulated
Organic Pesticides__ ; Unregulated Base Neutral Extractable__ ;
Unregulated Acid Extractable__ ; (Check all analyses which apply.)

I do HEARBY CERTIFY that all data submitted is correct.

Signature Eric Malarek

Name

Eric Malarek

Title

Quality Control Officer

Laboratory

Orlando Laboratories, Inc.

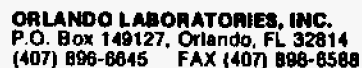
Date

12/31/90Mail Results to the
Appropriate DER or
ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)

☐ Satisfactory ☐ Unsatisfactory



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1

[illegible]

ORIGINAL - LAB
YELLOW - FILE

0107



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 30, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulations
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Fern Terrace PWS ID #3350370
Piney Woods/Spring Lake PWS ID #3351021
Stone Mountain PWS ID #3351282
Imperial Terrace PWS ID #3350584
Skycrest PWS ID #3351205
Grand Terrace PWS ID #3354697
Sunshine Parkway PWS ID #3350691

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis, Unregulated Organic Purgeables, Unregulated Organic Pesticides, Unregulated Base Neutral Extracts and Unregulated Acid Extractables for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Serving the customers of the Citrus Springs, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.



Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 6 1991

PO Number: 891053

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

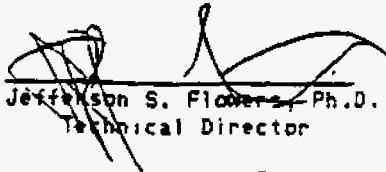
Mar 27 1991

Lab Number : 16557

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16557
Ethylene dibromide	mg/L	0.000005	95.4	5.11	<0.000005
Para-dichlorobenzene	mg/L	0.001	106	1.67	<0.001
Vinyl chloride	mg/L	0.001	97.8	1.96	<0.001
1,1-dichloroethene	mg/L	0.001	97.8	1.96	<0.001
1,2-dichloroethane	mg/L	0.001	106	1.70	<0.001
1,1,1-trichloroethane	mg/L	0.001	96.9	1.10	<0.001
Carbon tetrachloride	mg/L	0.001	98.0	1.21	<0.001
Trichloroethene	mg/L	0.001	97.1	.546	<0.001
Tetrachloroethene	mg/L	0.001	100	.986	<0.001
Benzene	mg/L	0.001	92.4	.284	<0.001
Chloromethane	mg/L	0.001	101	1.47	<0.001
Dichlorodifluorometh	mg/L	0.001	98.0	1.21	<0.001
Bromomethane	mg/L	0.001	101	1.47	<0.001
Chloroethane	mg/L	0.001	97.8	1.96	<0.001
Trichlorofluorometha	mg/L	0.001	98.0	1.21	<0.001
trans-1,3,-dichlorop	mg/L	0.001	107	.457	<0.001
cis-1,3-dichloroprop	mg/L	0.001	108	1.15	<0.001
Methyl-tert-butyleth	mg/L	0.001	107	7.16	<0.001
cis-1,2-dichloroethe	mg/L	0.001	108	1.15	<0.001
Dibromomethane	mg/L	0.001	101	1.47	<0.001
1,1-dichloropropene	mg/L	0.001	97.3	0.95	<0.001
1,3-dichloropropane	mg/L	0.001	107	.457	<0.001
1,2,3-trichloropropa	mg/L	0.001	111	4.66	<0.001
2,2-dichloropropane	mg/L	0.001	97.8	1.96	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	111	4.66	<0.001
Chloroform	mg/L	0.001	95.4	.495	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 4

 Jefferson S. Flowers, Ph.D.
 Jefferson S. Flowers, Ph.D.
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 ALAMONTE SPRINGS
 FLORIDA 32715-0597
 905 307 139-5784
 FAX 307 139-5784

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 6 1991

PO Number: 891053

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

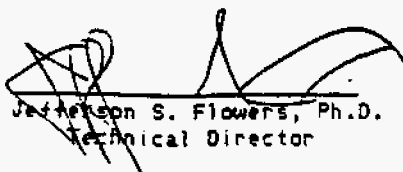
Mar 27 1991

Lab Number : 16557

REPORT OF ANALYSIS

					16557
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Bromoform	mg/L	0.001	106	.818	<0.001
Bromodichloromethane	mg/L	0.001	101	.546	<0.001
Dibromochloromethane	mg/L	0.001	103	.315	<0.001
p-xylene	mg/L	0.001	102	1.09	<0.001
Methylene chloride	mg/L	0.001	101	1.47	<0.001
o-chlorotoluene	mg/L	0.001	108	3.16	<0.001
p-chlorotoluene	mg/L	0.001	91.8	.875	<0.001
m-dichlorobenzene	mg/L	0.001	108	1.38	<0.001
o-dichlorobenzene	mg/L	0.001	99.4	.848	<0.001
1,1-dichloroethane	mg/L	0.001	94.5	1.15	<0.001
trans-1,2-dichloroet	mg/L	0.001	105	2.36	<0.001
1,2-dichloropropane	mg/L	0.001	97.7	.129	<0.001
1,1,2-trichloroethan	mg/L	0.001	105	1.07	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	104	1.99	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	104	1.43	<0.001
Chlorobenzene	mg/L	0.001	94.3	.441	<0.001
Toluene	mg/L	0.001	91.8	.875	<0.001
Ethylbenzene	mg/L	0.001	94.1	1.34	<0.001
Bromobenzene	mg/L	0.001	94.3	.441	<0.001
m-xylene	mg/L	0.001	102	1.09	<0.001
Styrene	mg/L	0.001	91.8	.875	<0.001
o-xylene	mg/L	0.001	102	1.09	<0.001
Dalapon	mg/L	0.000001	99.8	5.32	<0.000001
Oxamyl (Vydate)	mg/L	0.002	93.8	5.66	<0.002
Simazine	mg/L	0.007	101	.699	<0.007
Picloram	mg/L	0.00007	92.0	6.15	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 4

Jefferson S. Flowers, Ph.D.
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FLORIDA 32715-0697
BUS 407 336-5284
FAX 407 336-5284



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 16 1991

PO Number: 891053

PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

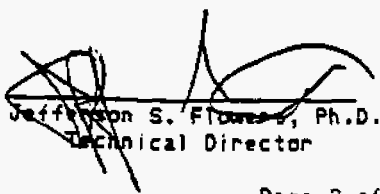
Lab Number : 16557

REPORT OF ANALYSIS

					16557
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	114	6.85	<0.00001
Aldicarb sulfoxide	mg/L	0.002	94.8	2.41	<0.002
Aldicarb sulfone	mg/L	0.002	81.0	19.2	<0.002
Metolachlor	mg/L	0.0005	110	11.6	<0.0005
Carbofuran	mg/L	0.001	99.0	2.86	<0.001
Aldicarb	mg/L	0.002	98.0	.000	<0.002
Atrazine	mg/L	0.002	102	.522	<0.002
Alachlor (Lasso)	mg/L	0.0002	109	4.85	<0.0002
Heptachlor	mg/L	0.000005	102	.834	<0.000005
Aldrin	mg/L	0.00007	110	.642	<0.00007
Dieldrin	mg/L	0.00001	97.1	8.88	<0.00001
Dicamba	mg/L	0.00001	93.3	6.45	<0.00001
Chlordane	mg/L	0.00001	101	2.39	<0.00001
Pentachlorophenol	mg/L	0.005	88.7	2.07	<0.005
Hexachlorocyclopenta	mg/L	0.001	90.5	11.7	<0.001
Dioxin	mg/L	0.00001	97.9	3.61	<0.00001
Isophorone	mg/L	0.001	96.2	3.47	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.9	6.20	<0.001
Dimethylphthalate	mg/L	0.001	98.7	3.64	<0.001
Diethylphthalate	mg/L	0.001	102	4.04	<0.001
Di-n-butylphthalate	mg/L	0.001	92.4	5.8	<0.001
Butyl benzyl phthala	mg/L	0.001	94.9	6.27	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	98	4.43	<0.001
1,2,4-trichlorobenze	mg/L	0.001	98.3	4.44	<0.001
PCB_1016	mg/L	0.0001	96.7	1.32	<0.0001
PCB_1221	mg/L	0.0001	96.3	1.91	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 6 1991

PO Number: B91053

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

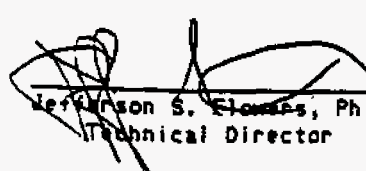
Lab Number : 16557

REPORT OF ANALYSIS

					16557
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB_1232	mg/L	0.0001	104	.408	<0.0001
PCB_1242	mg/L	0.0001	105	2.02	<0.0001
PCB_1248	mg/L	0.0001	99.4	3.41	<0.0001
PCB_1254	mg/L	0.0001	96.7	1.90	<0.0001
PCB_1260	mg/L	0.0001	103	3.15	<0.0001
Diethylphthalate	mg/L	0.001	99	1.21	<0.001
2-chlorophenol	mg/L	0.001	95.7	1.45	<0.001
2-methyl-4,6-dinitrophenol	mg/L	0.001	103	1.95	<0.001
Phenol	mg/L	0.001	98.6	3.79	<0.001
2,4,6-trichlorophenol	mg/L	0.001	99.7	2.82	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 139-5984
FAX 407 139-5984

0112

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350370

Public Water System Name: Leah Teovins

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☒; Unregulated Organic Pesticide ☒;

Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 16557

Sample Location (be specific):

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 4/5/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check one) ☐ Yes ☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature:

Name:

Dr. Jefferson S. Flowers

Title:

Technical Director

Laboratory:

Flowers Chemical Laboratories, Inc.

Date:

4/15/91

Mail Results to the

Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01

Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16557	.00002	<.000005	EPA504.1	.000005	4/12/91
2969	Para-dichlorobenzene	16557	.075	<0.001	EPA502.2	0.001	4/5/91
2976	Vinyl chloride	16557	0.001	<0.001	EPA502.2	0.001	4/5/91
2977	1,1-dichloroethene	16557	0.007	<0.001	EPA502.2	0.001	4/5/91
2980	1,2-dichloroethane	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2981	1,1,1-trichloroethane	16557	0.2	<0.001	EPA502.2	0.001	4/5/91
2982	Carbon tetrachloride	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2984	Trichloroethene	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2987	Tetrachloroethene	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2990	Benzene	16557	0.001	<0.001	EPA502.2	0.001	4/5/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2212	Dichlorodifluoromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2214	Bromomethane	16557		<0.001	EPA502.2	0.001	4/5/91
2216	Chloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2218	Trichlorofluoromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2224	trans-1,3-dichloropropene	16557		<0.001	EPA502.2	0.001	4/5/91
2228	cis-1,3-dichloropropene	16557		<0.001	EPA502.2	0.001	4/5/91
2251	Methyl-tert-butylether	16557		<0.001	EPA502.2	0.001	4/5/91
2380	cis-1,2-dichloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2408	Dibromomethane	16557		<0.001	EPA502.2	0.001	4/5/91
2410	1,1-dichloropropene	16557		<0.001	EPA502.2	0.001	4/5/91
2412	1,3-dichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2414	1,2,3-trichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2416	2,2-dichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2931	1,2-dibromo-3-chloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2941	Chloroform	16557		<0.001	EPA502.2	0.001	4/5/91
2942	Bromoform	16557		<0.001	EPA502.2	0.001	4/5/91
2943	Bromodichloromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2944	Dibromochloromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2962	p-xylene	16557		<0.001	EPA502.2	0.001	4/5/91
2964	Methylene chloride	16557		<0.001	EPA502.2	0.001	4/5/91
2965	o-chlorotoluene	16557		<0.001	EPA502.2	0.001	4/5/91
2966	p-chlorotoluene	16557		<0.001	EPA502.2	0.001	4/5/91
2967	m-dichlorobenzene	16557		<0.001	EPA502.2	0.001	4/5/91
2968	o-dichlorobenzene	16557		<0.001	EPA502.2	0.001	4/5/91
2978	1,1-dichloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2979	trans-1,2-dichloroethene	16557		<0.001	EPA502.2	0.001	4/5/91
2983	1,2-dichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2985	1,1,2-trichloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2986	1,1,1,2-tetrachloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2988	1,1,2,2-tetrachloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2989	Chlorobenzene	16557		<0.001	EPA502.2	0.001	4/5/91

2991	Toluene	16557	<0.001	EPA502.2	0.001	4/5/91
2992	Ethylbenzene	16557	<0.001	EPA502.2	0.001	4/5/91
2993	Bromobenzene	16557	<0.001	EPA502.2	0.001	4/5/91
2995	m-xylene	16557	<0.001	EPA502.2	0.001	4/5/91
2996	Styrene	16557	<0.001	EPA502.2	0.001	4/5/91
2997	o-xylene	16557	<0.001	EPA502.2	0.001	4/5/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16557		<.000001	EPA515	.000001	4/12/91
2036	Oxamyl (Vydate)	16557		<0.002	EPA531	0.002	4/8/91
2037	Simazine	16557		<0.007	EPA505	0.007	4/12/91
2040	Picloram	16557		<0.00007	EPA515	0.00007	4/12/91
2041	Dinoseb	16557		<0.00001	EPA515	0.00001	4/12/91
2043	Aldicarb sulfoxide	16557		<0.002	EPA531	0.002	4/8/91
2044	Aldicarb sulfone	16557		<0.002	EPA531	0.002	4/8/91
2045	Metolachlor	16557		<0.0005	EPA505	0.0005	4/12/91
2046	Carbofuran	16557		<0.001	EPA531	0.001	4/8/91
2047	Aldicarb	16557		<0.002	EPA531	0.002	4/8/91
2050	Atrazine	16557		<0.002	EPA505	0.002	4/12/91
2051	Alachlor (Lasso)	16557		<0.0002	EPA505	0.0002	4/12/91
2065	Heptachlor	16557		<.000005	EPA508	.000005	4/5/91
2356	Aldrin	16557		<0.00007	EPA508	0.00007	4/5/91
2364	Dieldrin	16557		<0.00001	EPA508	0.00001	4/5/91
2440	Dicamba	16557		<0.00001	EPA515	0.00001	4/12/91
2959	Chlordane	16557		<0.00001	EPA508	0.00001	4/5/91
9114	Pentachlorophenol	16557		<0.005	EPA515	0.005	4/10/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16557		<0.001	EPA508	0.001	4/12/91
2063	Dioxin	16557		<0.00001	EPA613	0.00001	4/5/91
2262	Isophorone	16557		<0.001	EPA609	0.001	4/10/91
2270	2,4-dinitrotoluene	16557		<0.001	EPA609	0.001	4/10/91
2282	Dimethylphthalate	16557		<0.001	EPA606	0.001	4/10/91
2284	Diethylphthalate	16557		<0.001	EPA606	0.001	4/10/91
2290	Di-n-butylphthalate	16557		<0.001	EPA606	0.001	4/10/91
2294	Butyl benzyl phthalate	16557		<0.001	EPA606	0.001	4/10/91
2298	Bis(2-ethylhexyl)phthalate	16557		<0.001	EPA606	0.001	4/10/91
2378	1,2,4-trichlorobenzene	16557		<0.001	EPA612	0.001	4/10/91
2388	PCB 1016	16557		<0.0001	EPA505	0.0001	4/5/91
2390	PCB 1221	16557		<0.0001	EPA505	0.0001	4/5/91
2392	PCB 1232	16557		<0.0001	EPA505	0.0001	4/5/91
2394	PCB 1242	16557		<0.0001	EPA505	0.0001	4/5/91
2396	PCB 1248	16557		<0.0001	EPA505	0.0001	4/5/91
2398	PCB 1254	16557		<0.0001	EPA505	0.0001	4/5/91

2400	PCB 1260	16557	<0.0001	EPA505	0.0001	4/5/91
9089	Diethylphthalate	16557	<0.001	EPA808	0.001	4/10/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16557		<0.001	EPA604	0.001	4/10/91
9112	2-methyl-4,6-dinitrophenol	16557		<0.001	EPA604	0.001	4/10/91
9115	Phenol	16557		<0.001	EPA604	0.001	4/10/91
9116	2,4,6-trichlorophenol	16557		<0.001	EPA604	0.001	4/10/91

Comments:



**CHEMICAL
LABORATORIES
INCORPORATED**

CLIENT SSU		ADDRESS			PHONE	
PROJECT NAME B 91053		REQUIRED: ☐ Urgent ☒ Routine			DATE	

Sample Containers	Preservative						Plastic Containers				Glass Containers					NOTES:				
	HNO3	H2SO4	HCl	Na2SO3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	60mL	125mL	250mL	500mL	1L	2L	Whit-Pak Bag	40mL Vial	250mL		500mL	1L	2L	4L
QTY																				SWellb 15 Anglo NA AIR Bubbles
1																			X	
10														X						

Kit Relinquished:	Date:	Kit Received:	Date:
	Time:		Time:

Parameters: Pon Unreg

Laboratory Number: 16557

Client Identification/Description: RAW WATER

{	Fern terrace Well 1 20.0Lts per well
	Grand terrace Well 1
	Imperial terrace Well 1
	Sky Crest Well 1
	Well 2

Sample Collection: <u>[Signature]</u>	Date: <u>3-27-91</u>	Time: <u></u>
Transportation: <u>[Signature]</u>	Date: <u>3-27-91</u>	Time: <u>15:15</u>
Lab Acceptance: <u>[Signature]</u>	Date: <u>3/27/91</u>	Time: <u>3:16</u>

Page _____ of _____

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.

484 NEWBURYPORT
200 301 42 527
400 ACUTE DRUGS
1000 1000 1000
1000 1000 1000

Fern Terrace

Temp. 75°

Cond 400

pH 7.5

DO 3.9

Cl₂ 1.0

Skycrest

Temp 78°

Cond 444

pH 7.1

DO 3.1

Cl₂ 1.0

Grand Terrace

Temp 72°

Cond 429

pH 7.0

DO 3.0

Cl₂ 1.0

Imperial Terrace

Temp 73°

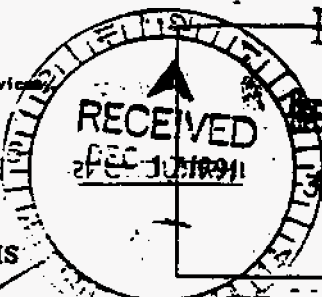
Cond 310

pH 7.5

DO 2.6

Cl₂ 1.2

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231



IR NO. 13005
REC'D WRL
DEC 11 1991 PM 191
WFLD
374 D 442445

12/12

**DRINKING WATER
BACTERIOLOGICAL ANALYSIS**

SYSTEM NAME: Fern Terrace #552 SYSTEM ID# NO: 3350370 SYSTEM PHONE #: 904-787-4504
ADDRESS: Fern Drive COUNTY: Duval DISTRICT: Central
COLLECTOR: Donna W. Mena COLLECTOR PHONE #: 904-326-4430
SAMPLE SITE (Locality or Subdivision): 1931 S Fern
DATE AND TIME COLLECTED: 12/11/91 7:45 AM
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Public water system
TYPE OF SAMPLE (Circle one): Coliforms Repeat (Check Box) Replacement (Check Box) Main clearance Well survey
Other (Specify) DO NOT RINSE OR TOUCH TITRATION
REMARKS: Do not take samples from tap water. Attachments: water meter, other devices

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB			
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	TA	ANALYSIS METHOD: MP, NTP	NON COLIFORM	TOTAL	PA
W	Well	0	✓	053226	6	A	
T	Tank	10	70	053227	7	A	
R-1	1931 S Fern	9	✓	053228	8	A	
R-2	200 Bentlough	8	✓	053229	9	A	

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.
P - Coliforms are present C - Confident growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNTC - Too numerous to count
INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

HB 5 Form 618, Jan 81 (Obsolete)
edition which may not be used
(Stock Number: 576-005-100-1)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU Senior
1000 Color Place
Apopka, Florida 32703

- () SATISFACTORY
- () INCOMPLETE COLLECTION INFORMATION
- () REPEAT SAMPLES
- () REPLACEMENT SAMPLES

REVIEWING OFFICIAL: [Signature]
TITLE: See

Fisherman's Haven - 673

Martin County (SSU)

Water

- 1992 FPSC Filing -

Fisherman's Haven

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	8/90
Organic	8/90
Volatile Organic Chemicals	2/91
	5/91
	8/91
	12/91
Turbidity	8/90
Microbiological	12/91
Radionuclide	8/90
Secondary Contaminants	8/90
Unregulated Contaminants	8/90



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-08-225
Date Received: 08/16/90
Date Reported: 08/31/90
OLI Contact: E_HOBBS

Work ID: Fisherman's Haven
Total Samples: 5

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Well
02 P.O.E. Pressure Tank
03 DIST 2130 NE Rustic Way
04 Trip Blank
05 Method Blank

TEST CODES and NAMES used on this report

PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS034 Unreg-Organic Purgeable
PWS035 Unreg-Organic Pesticides
PWS036 Unreg-Base Neutral Extract
PWS037 Unreg-Acid Extractable

Copy of results to:

Southern States Utilities
Attn: Mel Fisher
1790 NE 24th Street
Jensen Beach, FL 34957

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

[Signature]
Acting
LABORATORY DIRECTOR

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

[Signature]
Eric Malarek
QUALITY CONTROL

FAX (407) 896-6588

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Well
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	_____	_____	0.00002 U	EPA 504	0.00002	08/18/90
2969 Para-dichlorobenzene	_____	_____	0.0005 U	EPA 524	0.0005	08/17/90
2976 Vinyl Chloride	_____	_____	0.0005 U	EPA 524	0.0005	08/17/90
2977 1,1-Dichloroethene	_____	_____	0.0005 U	EPA 524	0.0005	08/17/90
2980 1,2-Dichloroethane	_____	_____	0.0005 U	EPA 524	0.0005	08/17/90
2981 1,1,1-trichloroethane	_____	_____	0.0005 U	EPA 524	0.0005	08/17/90
2982 Carbon Tetrachloride	_____	_____	0.0005 U	EPA 524	0.0005	08/17/90
2984 Trichloroethene	_____	_____	0.0005 U	EPA 524	0.0005	08/17/90
2987 Tetrachloroethene	_____	_____	0.0005 U	EPA 524	0.0005	08/17/90
2990 Benzene	_____	_____	0.0005 U	EPA 524	0.0005	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Well
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Organic Chemical Analysis

SAMPLE# Q1A
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00100 U	EPA 608	0.00010	08/21/90
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	08/21/90
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	08/21/90
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	08/21/90
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	08/21/90
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	08/21/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Well
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane			0.00050 U	EPA 524	0.00050	08/17/90
2212 Dichlorodifluoro methane			0.00050 U	EPA 524	0.00050	08/17/90
2214 Bromomethane			0.00050 U	EPA 524	0.00050	08/17/90
2216 Chloroethane			0.00050 U	EPA 524	0.00050	08/17/90
2218 Trichlorofluoro methane			0.00050 U	EPA 524	0.00050	08/17/90
2224 trans-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	08/17/90
2228 cis-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	08/17/90
2251 Methyl tert-butyl ether			0.00050 U	EPA 524	0.00050	08/17/90
2380 cis-1,2-Dichloro ethene			0.00050 U	EPA 524	0.00050	08/17/90
2408 Dibromomethane			0.00050 U	EPA 524	0.00050	08/17/90
2410 1,1-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
2412 1,3-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
2414 1,2,3-Trichloro propane			0.00050 U	EPA 524	0.00050	08/17/90
2416 2,2-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
2931 1,2-dibromo-3-chloro propane			0.00020 U	EPA 504	0.00020	08/20/90
2941 Chloroform			0.00050 U	EPA 524	0.00050	08/17/90
2942 Bromoform			0.00050 U	EPA 524	0.00050	08/17/90
2943 Bromochloro methane			0.00050 U	EPA 524	0.00050	08/17/90

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225
Continued From Above

SAMPLE ID Well
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Unreg-Organic Purgeable

SAMPLE# Q1A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloro methane	0.00050	U	EPA 524	0.00050	08/17/90
2962 para-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
2964 Methylen Chloride	0.00050	U	EPA 524	0.00050	08/17/90
2965 o-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
2966 p-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
2967 meta-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2968 o-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2978 1,1-Dichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2979 trans-1,2-Dichloro ethane	0.00050	U	EPA 524	0.00050	08/17/90
2983 1,2-Dichloropropane	0.00050	U	EPA 524	0.00050	08/17/90
2985 1,1,2-Trichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2986 1,1,1,2-Tetrachloro ethane	0.00050	U	EPA 524	0.00050	08/17/90
2988 1,1,2,2-Tetrachloro ethane	0.00050	U	EPA 524	0.00050	08/17/90
2989 Chlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2991 Toluene	0.00050	U	EPA 524	0.00050	08/17/90
2992 Ethylbenzene	0.00050	U	EPA 524	0.00050	08/17/90
2993 Bromobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2995 meta-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
2996 Styrene	0.00050	U	EPA 524	0.00050	08/17/90
2997 ortho Xylene	0.00050	U	EPA 524	0.00050	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Well
DATE COLLECTED 08/15/90 15:30:00
TEST NAME Unreg-Organic Pesticides

SAMPLE#
MATRIX
TEST CODE

01A
WATER
PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	08/21/90
2036 Daxamyl (Vydate)			0.00200 U	EPA 531	0.00200	08/21/90
2037 Simazine			0.00005 U	EPA 622	0.00005	08/21/90
2040 Picloran			0.00100 U	EPA 615	0.00100	08/21/90
2041 Dinoseb			0.00200 U	EPA 615	0.00200	08/21/90
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	08/21/90
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	08/21/90
2045 Metolachlor			0.00005 U	EPA 622	0.00005	08/21/90
2046 Carbofuran			0.00150 U	EPA 531	0.00150	08/21/90
2047 Aldicarb			0.00100 U	EPA 531	0.00100	08/21/90
2050 Atrazine			0.00005 U	EPA 622	0.00005	08/21/90
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	08/21/90
2055 Heptachlor			0.00005 U	EPA 608	0.00005	08/21/90
2356 Aldrin			0.00005 U	EPA 608	0.00005	08/21/90
2364 Dieldrin			0.00010 U	EPA 608	0.00010	08/21/90
2440 Dicamba			0.00200 U	EPA 615	0.00200	08/21/90
2959 Chlordane			0.00050 U	EPA 608	0.00050	08/21/90
2326 Pentachlorophenol			0.05000 U	EPA 625	0.05000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Well
DATE COLLECTED 08/15/90 15:30:00
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)		Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclopentadiene	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2063 Dioxin	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2262 Isophorone	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2270 2,4-dinitrotoluene	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2282 Dimethylphthalate	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2284 Diethylphthalate	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2290 Dibutylphthalate	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2294 Butyl benzyl phthalate	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2298 Bis(2-ethylhexyl) phthalate	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2378 1,2,4-trichloro benzene	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
2388 PCB-1016	_____	_____	0.00050	U	EPA 608	0.00050	08/20/90
2390 PCB-1221	_____	_____	0.00050	U	EPA 608	0.00050	08/20/90
2392 PCB-1222	_____	_____	0.00050	U	EPA 608	0.00050	08/20/90
2394 PCB-1242	_____	_____	0.00050	U	EPA 608	0.00050	08/20/90
2396 PCB-1248	_____	_____	0.00050	U	EPA 608	0.00050	08/20/90
2398 PCB-1254	_____	_____	0.00100	U	EPA 608	0.00100	08/20/90
2400 PCB-1260	_____	_____	0.00100	U	EPA 608	0.00100	08/20/90
9089 Dioctylphthalate	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Well
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Unreg-Acid Extractable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)		Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9112 2-methyl-4,6-dinitro phenol	_____	_____	0.05000	U	EPA 625	0.05000	08/20/90
9115 Phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9116 2,4,6-trichloro- phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Turbidity Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS026

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100 Turbidity			<1.0	EPA 180.1	08/18/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Inorganic Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PHS030

INORGANIC ANALYSIS
17-550.310(1)
(PHS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			NOT ANALYZED	EPA 206.2	0.010	
1010 Barium			NOT ANALYZED	EPA 200.7	0.100	
1015 Cadmium			NOT ANALYZED	EPA 213.2	0.005	
1020 Chromium			NOT ANALYZED	EPA 218.2	0.010	
1025 Fluoride			NOT ANALYZED	EPA 340.2	0.1	
1030 Lead			NOT ANALYZED	EPA 239.2	0.010	
1035 Mercury			NOT ANALYZED	EPA 245.1	0.0005	
1040 Nitrate (as N)			NOT ANALYZED	EPA 352.2	0.03	
1045 Selenium			NOT ANALYZED	EPA 270.2	0.005	
1050 Silver			NOT ANALYZED	EPA 272.2	0.010	
1052 Sodium			20.0	EPA 200.7	0.001	08/24/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			99.0	EPA 200.7	0.1	08/24/90
1017 Chloride			47	SM 407	1.0	08/21/90
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	08/24/90
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			NOT ANALYZED			
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			<0.100	EPA 200.7	0.100	08/24/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	08/24/90
1055 Sulfate			11	EPA 375.4	1.0	08/21/90
1095 Zinc			<0.050	EPA 200.7	0.050	08/24/90
1901 Carbon Dioxide			16	SM 406 C	1.0	08/20/90
1905 Color (color units)			<5.0	EPA 270.2	5 PCU	08/18/90
1915 Total Hardness			246	EPA 200.7	0.050	08/24/90
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			1.0	EPA 140.1	1	08/18/90
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			7.43	EPA 150.1	N/A	08/18/90
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225
Continued From Above

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			220	EPA 310.1	2.0	08/18/90
1930 TDS			340	EPA 150.1	1.0	08/21/90
1931 Phenolphthalein ALK.			<2.0	EPA 310.1	2.0	08/18/90
1996 Field Temp. (C)			NOT ANALYZED			
1997 Langlier Index pHs			7.1	CALC	N/A	08/28/90
1998 Saturation Index			0.30	CALC	N/A	08/28/90
1999 Stability Index			6.8	CALC	N/A	08/28/90
2909 Foaming Agents			<0.10	EPA 425.1	0.1	08/18/90
9996 Field DO			NOT ANALYZED			
9997 Field Chlorine			NOT ANALYZED			

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID DIST 2130 NE Rustic Way
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Inorganic Analysis

SAMPLE# 03A
MATRIX WATER
TEST CODE PMS030

INORGANIC ANALYSIS
17-550.310(1)
(PMS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	08/24/90
1010 Barium			<0.100	EPA 200.7	0.100	08/24/90
1015 Cadmium			<0.005	EPA 213.2	0.005	08/24/90
1020 Chromium			<0.010	EPA 218.2	0.010	08/29/90
1025 Fluoride			<0.10	EPA 340.2	0.1	08/21/90
1030 Lead			<0.010	EPA 239.2	0.010	08/26/90
1035 Mercury			<0.0005	EPA 245.1	0.0005	08/22/90
1040 Nitrate (as N)			<0.03	EPA 352.2	0.03	
1045 Selenium			<0.005	EPA 270.2	0.005	08/23/90
1050 Silver			<0.010	EPA 272.2	0.010	08/28/90
1052 Sodium			NOT ANALYZED	EPA 200.7	0.001	

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	08/18/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	08/17/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	08/17/90
2977 1,1-Dichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	08/17/90
2984 Trichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2987 Tetrachloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2990 Benzene			0.0005 U	EPA 524	0.0005	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310 (2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	08/21/90
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	08/21/90
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	08/21/90
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	08/21/90
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	08/21/90
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	08/21/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result(ug/l)		Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane			0.00050	U	EPA 524	0.00050	08/17/90
2212 Dichlorodifluoro methane			0.00050	U	EPA 524	0.00050	08/17/90
2214 Bromomethane			0.00050	U	EPA 524	0.00050	08/17/90
2216 Chloroethane			0.00050	U	EPA 524	0.00050	08/17/90
2218 Trichlorofluoro methane			0.00050	U	EPA 524	0.00050	08/17/90
2224 trans-1,3-Dichloro propene			0.00050	U	EPA 524	0.00050	08/17/90
2228 cis-1,3-Dichloro propene			0.00050	U	EPA 524	0.00050	08/17/90
2251 Methyl tert-butyl ether			0.00050	U	EPA 524	0.00050	08/17/90
2380 cis-1,2-Dichloro ethene			0.00050	U	EPA 524	0.00050	08/17/90
2408 Dibromomethane			0.00050	U	EPA 524	0.00050	08/17/90
2410 1,1-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2412 1,3-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2414 1,2,3-Trichloro propane			0.00050	U	EPA 524	0.00050	08/17/90
2416 2,2-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2931 1,2-dibromo-3-chloro propane			0.00020	U	EPA 504	0.00020	08/20/90
2941 Chloroform			0.00050	U	EPA 524	0.00050	08/17/90
2942 Bromoform			0.00050	U	EPA 524	0.00050	08/17/90
2943 Bromodichloro methane			0.00050	U	EPA 524	0.00050	08/17/90

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225
Continued From Above

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloroethane	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2962 para-Xylene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2964 Methylene Chloride	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2965 o-Chlorotoluene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2966 p-Chlorotoluene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2967 meta-Dichlorobenzene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2968 o-Dichlorobenzene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2978 1,1-Dichloroethane	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2979 trans-1,2-Dichloroethane	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2983 1,2-Dichloropropane	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2985 1,1,2-Trichloroethane	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2986 1,1,1,2-Tetrachloroethane	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2988 1,1,2,2-Tetrachloroethane	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2989 Chlorobenzene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2991 Toluene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2992 Ethylbenzene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2993 Bromobenzene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2995 meta-Xylene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2996 Styrene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90
2997 ortho Xylene	_____	_____	0.00050	U	EPA 524	0.00050	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Pesticides

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	08/21/90
2036 Oxamyl (Vydate)			0.00200 U	EPA 531	0.00200	08/21/90
2037 Sinazine			0.00005 U	EPA 622	0.00005	08/21/90
2040 Picloran			0.00100 U	EPA 615	0.00100	08/21/90
2041 Dinoseb			0.00200 U	EPA 615	0.00200	08/21/90
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	08/21/90
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	08/21/90
2045 Metolachlor			0.00005 U	EPA 622	0.00005	08/21/90
2046 Carbofuran			0.00150 U	EPA 531	0.00150	08/21/90
2047 Aldicarb			0.00100 U	EPA 531	0.00100	08/21/90
2050 Atrazine			0.00005 U	EPA 622	0.00005	08/21/90
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	08/21/90
2065 Heptachlor			0.00005 U	EPA 608	0.00005	08/21/90
2356 Aldrin			0.00005 U	EPA 608	0.00005	08/21/90
2364 Dieldrin			0.00010 U	EPA 608	0.00010	08/21/90
2440 Dicamba			0.00200 U	EPA 615	0.00200	08/21/90
2959 Chlordane			0.00050 U	EPA 608	0.00050	08/21/90
2326 Pentachlorophenol			0.05000 U	EPA 625	0.05000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/15/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410 (3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclopentadiene			0.01000 U	EPA 625	0.01000	08/20/90
2063 Dioxin			0.01000 U	EPA 625	0.01000	08/20/90
2262 Isophorone			0.01000 U	EPA 625	0.01000	08/20/90
2270 2,4-dinitrotoluene			0.01000 U	EPA 625	0.01000	08/20/90
2282 Dimethylphthalate			0.01000 U	EPA 625	0.01000	08/20/90
2284 Diethylphthalate			0.01000 U	EPA 625	0.01000	08/20/90
2290 Dibutylphthalate			0.01000 U	EPA 625	0.01000	08/20/90
2294 Butyl benzyl phthalate			0.01000 U	EPA 625	0.01000	08/20/90
2298 Bis(2-ethylhexyl) phthalate			0.01000 U	EPA 625	0.01000	08/20/90
2378 1,2,4-trichloro benzene			0.01000 U	EPA 625	0.01000	08/20/90
2388 PCB-1016			0.00050 U	EPA 608	0.00050	08/20/90
2390 PCB-1221			0.00050 U	EPA 608	0.00050	08/20/90
2392 PCB-1232			0.00050 U	EPA 608	0.00050	08/20/90
2394 PCB-1242			0.00050 U	EPA 608	0.00050	08/20/90
2396 PCB-1248			0.00050 U	EPA 608	0.00050	08/20/90
2398 PCB-1254			0.00100 U	EPA 608	0.00100	08/20/90
2400 PCB-1260			0.00100 U	EPA 608	0.00100	08/20/90
9089 Dioctylphthalate			0.01000 U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-225

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Acid Extractable

SAMPLE# DSA
MATRIX METHOD BLANK
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9112 2-methyl-4,6-dinitro phenol	_____	_____	0.05000	U	EPA 625	0.05000	08/20/90
9115 Phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9116 2,4,6-trichloro- phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-08-225

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

04A : NOTEST

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-22-1990

LAB SAMPLE # : 9008202-01a
 ANALYSIS DATE : 08/21/90

COMPOUND	AMOUNT SPIKE	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	0	103	103	95	95	8
HEPTACHLOR	100	0	103	103	✓105	105	2
ALDRIN	100	0	107	107	110	110	3
DIELDRIN	100	0	105	105	100	100	1
ENDRIN	100	0	102	102	103	103	1
4,4-DDT	100	0	63	63	52	52	19

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SGTG		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	56	123	15	46	127	50
HEPTACHLOR	40	131	20	35	130	31
ALDRIN	40	120	22	36	132	43
DIELDRIN	52	126	18	31	134	38
ENDRIN	56	121	21	42	133	45
4,4-DDT	38	127	27	23	134	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-23-1990

LAB SAMPLE # : 9008202-01a
 ANALYSIS DATE : 08/21/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
PICLORAM	100	0	143	143	138	131	4
2,4,5-TP (silvex)	100	0	161	161	139	139	15

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
PICLORAM	95	175	30	95	175	30
2,4,5-TP (silvex)	95	175	30	95	175	30

ORLANDO LABORATORIES INC.

GC/MS SEMI-VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-21-1990

LAB SAMPLE # : 9008221-1 625
 ANALYSIS DATE : 8/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS 1 RECOVERY	MSD RESULT	MSD1 RECOVERY	RPD
phenol	200	0	73	37	71	36	3
2-chlorophenol	200	0	103	53	102	51	3
4-chloro-3-methylphenol	200	0	131	66	130	65	1
4-nitrophenol	200	0	94	47	97	49	3
pentachlorophenol	200	0	156	78	158	79	1
1,4-dichlorobenzene	100	0	53	53	50	50	6
n-nitroso-di-n-propylamine	100	0	51	51	50	50	2
1,2,4-trichlorobenzene	100	0	55	55	52	52	6
acenaphthene	100	0	52	52	52	52	0
2,4-dinitrotoluene	100	0	60	60	59	59	1
pyrene	100	0	61	61	62	62	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
phenol	12	89	42	26	90	35
2-chlorophenol	27	123	40	29	102	50
4-chloro-3-methylphenol	23	97	42	26	103	33
4-nitrophenol	10	90	50	11	114	50
pentachlorophenol	25	103	50	17	109	47
1,4-dichlorobenzene	36	97	28	28	104	27
n-nitroso-di-n-propylamine	41	116	38	41	126	36
1,2,4-trichlorobenzene	39	98	28	38	107	23
acenaphthene	46	116	31	31	137	19
2,4-dinitrotoluene	24	102	38	28	95	47
pyrene	26	127	31	35	142	36

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-20-1990

LAB SAMPLE # : 9008226-1 524
 ANALYSIS DATE : 8/17/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS X RECOVERY	MSD RESULT	MSD RECOVERY	RPD
1,1-dichloroethene	50	0	49	98	44	88	11
trichloroethene	50	0	53	106	50	100	6
benzene	50	0	49	98	48	96	2
toluene	50	0	50	100	46	92	8
chlorobenzene	50	0	51	102	49	98	4

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	61	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	60	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-20-1990

LAB SAMPLE # : 9008220-01A
 ANALYSIS DATE : 08/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RFD
ALDICARB	100	0	110	110	100	100	2
COMMENTS :							

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RFD	LOWER	UPPER	RFD
ALDICARB	60	130	20	60	130	20

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTSJ-
3MATRIX : WATER
REPORT DATE : 08-19-1990LAB SAMPLE # : 9008229-01a
ANALYSIS DATE : 08/18/90AD

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	APD
ETHYLENE DIBROMIDE	100	0	66	66	64	64	3

COMMENTS :

MATRIX SPIKE QUALITY CONTROL, ETHYLENE

	WATER			SOIL		
	LOWER	UPPER	APD	LOWER	UPPER	APD
ETHYLENE DIBROMIDE	50	100	66	55	98	68

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-08-225
Page: 28

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Sulfate	<1	100	08/21/90	RAW
Fluoride	<1	100	08/21/90	GZB
Chloride	<1	95	08/21/90	RAW
Odor	<1	NA	08/18/90	RAW
Color	<1	NA	08/18/90	RAW
TDS	<1	97	08/21/90	CM
MBAS	<1	110	08/18/90	CM
pH	<1	NA	08/18/90	RAW
Total Alkalinity	<1	99	08/18/90	RAW
Nitrate Nitrogen	<1	88	08/23/90	DR
Nitrite Nitrogen	<1	88	08/17/90	CM
Turbidity	<1	97	08/18/90	RAW
Selenium	<1	98	08/23/90	CFG
Mercury	<1	107	08/22/90	JSC
Arsenic	<1	93	08/24/90	CFG
Barium	<1	103	08/24/90	BB
Cadmium	<1	104	08/24/90	BB
Sodium	<1	93	08/24/90	BB
Copper	<1	102	08/24/90	BB
Iron	<1	106	08/24/90	BB
Manganese	<1	108	08/24/90	BB
Zinc	<1	103	08/24/90	BB
Calcium	<1	93	08/24/90	BB
Lead	<1	102	08/26/90	JSC
Silver	<1	101	08/26/90	BB
Chromium	<1	105	08/29/90	BB

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Fisherman's Haven
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141 Turbidity Analysis, Volatile Organics Analysis
Parameter Group(s) Analyzed: _____
Subcontracted Lab Certification Number (if any): N/A Organic Chem.,
Inorganics.,
Secondaries,
Unreg. Acid Extr.,
Unreg. Org. Purg.,
Unreg. Org. Pest.,
Unreg. B.N. Extr..

SAMPLE INFORMATION

Sample Date (MMDDYY): 08/15/90
Laboratory Sample Number: 90-08-225
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special _____

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 08/17/90 (504), 08/20/90 (625,608), 08/21/90 (615)

Laboratory Contact: Eric Malarek

Re-sample Requested? (check one): ☐ Yes ☐ No

ANALYSES SUBMITTED: Turbidity___; Inorganic___; Trifluoromethane___; Volatile Organic___; Organic Chemical___;
Secondary Chemical___; Radiological___; Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature Eric Malarek

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date 9-4-90

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

Page _____ of _____

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0151

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1790 NE 24th St.
Jensen Beach, FL 34957

Date Reported: Mar 6 1991

PD Number: 108387

PD Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHR Lab# : 296
SCDEEC Lab# : 96019

For: Fishermans Haven

Date Received:

Feb 25 1991

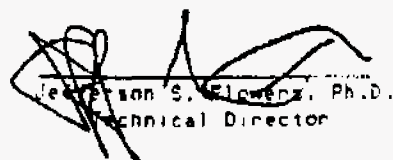
Lab Number : 16372

REPORT OF ANALYSIS

16372				
Parameter	Unit	Method	%ACC	%PRC
		Detection		
		Limit		
Ethylene dibromide	mg/L	0.000005	107	10.3
				<0.000005
Para-dichlorobenzene	mg/L	0.001	90.3	.513
				<0.001
Vinyl chloride	mg/L	0.001	118	3.04
				<0.001
1,1-dichloroethene	mg/L	0.001	118	3.04
				<0.001
1,2-dichloroethane	mg/L	0.001	94.4	.199
				<0.001
1,1,1-trichloroethane	mg/L	0.001	97.3	.413
				<0.001
Carbon tetrachloride	mg/L	0.001	104	.530
				<0.001
Trichloroethene	mg/L	0.001	97.4	.666
				<0.001
Tetrachloroethene	mg/L	0.001	96.8	.445
				<0.001
Benzene	mg/L	0.001	94.9	2.52
				<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 2

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURY RD
P.O. BOX 1111507
ALABAMA SPRING
FLORIDA 32715-0297
816 437 330 1984
Fax 407 204 1112

0152

FOIA	Label	00010
FOIA	Label	00130
NOEDIN	Label	000
NOEDIN	Label	00010

1/12/71: Mel Fisher ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

[illegible]

2) SAMPLE INFORMATION; SAMPLE DATE: MONTH FEB, DATE 21 YEAR 1991
 SAMPLE TYPE (check all applicable); () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 () raw, (✓) well, () resample _____, () special _____
 SAMPLER'S NAME: MEI FISHER TITLE: AREA SUPERVISOR PHONE: 407 334 5524
 SAMPLER'S SIGNATURE: MEI FISHER
 NOTES:

FISHERMAN'S HAVEN WELL

Fox Run Well.

LEILANI HEIGHTS WELLS #1 & #2

St. Lucie Falls Wells #2 and #3

1) Parameter Group(s) Analyzed: Turbidity; Inorganic; Telohomethane; Volatile Organic;
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgable;
Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable;

Laboratory Number		Chem Sample Identification	
16371	01	L.H.# 402, 37.6	#102, For Run (ph. comp.)
16372	02	Fisherman Haven	
	03		
	04		
	05		
	06		
	07		
	08		
	09		
	10		

(6) Collector's Signature:
(7) Transporters Signature:
(9) Lab Acceptance By:

Date	Time
2/21/91	6 PM
2/22/91	8 AM
2/25/91	10:10

OVER FOR INSTRUCTIONS FOR COMPLETION



Received From:

SSU
1790 NE 24th St.
JensenBch, FL 34957

Date Reported: Jun 4 1991

PO Number: HOLD REPORT

PO Number: Leilani Hghts

FDHRS Lab# : 83139

FDER Lab# : E82018

NCDEHNR Lab# : 296

SCDHEC Lab# : 94019

For: WATER SAMPLE

Date Received:

May31,1991

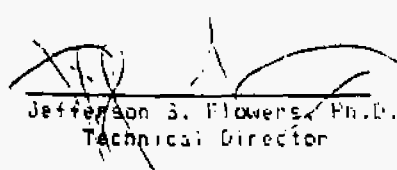
Lab Number : 17019

REPORT OF ANALYSIS

Parameter	Unit	Method	17019		
			%ACC	%PRC	
		Detection Limit			
Ethylene dibromide	mg/L	0.000005	95.1	6.83	<0.000005
Para-dichlorobenzene	mg/L	0.001	104	1.994	<0.001
Vinyl chloride	mg/L	0.001	118	17.9	<0.001
1,1-dichloroethene	mg/L	0.001	118	17.9	<0.001
1,2-dichloroethane	mg/L	0.001	104	1.847	<0.001
1,1,1-trichloroethane	mg/L	0.001	102	1.74	<0.001
Carbon tetrachloride	mg/L	0.001	86.8	12.0	<0.001
Trichloroethene	mg/L	0.001	107	2.31	<0.001
Tetrachloroethene	mg/L	0.001	106	3.07	<0.001
Benzene	mg/L	0.001	95.5	11.8	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL 09 and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700 / 443-0790 / 443-0442
Public Water System Name: FOX RUN / LEBLANC HOT / FISHERMAN HAVEN
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 5/24/91
Laboratory Sample Number: 17019
Sample Location (be specific): WELLS + 1-2-3-4
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Draw ☐ Well ☐ Resample
☐ Special

Sampler Name, Title Phone: LOWELL T. BULLOCK OFFICE 443-3501

ANALYSIS INFORMATION

Extraction Date: 5/24/91
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 6/4/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate OER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17019	.00002	<.000005	EPA504.1	.000005	6/3/91
2969	Para-dichlorobenzene	17019	.075	<0.001	EPA502.2	0.001	6/3/91
2976	Vinyl chloride	17019	0.001	<0.001	EPA502.2	0.001	6/3/91
2977	1,1-dichloroethene	17019	0.007	<0.001	EPA502.2	0.001	6/3/91
2980	1,2-dichloroethane	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2981	1,1,1-trichloroethane	17019	0.2	<0.001	EPA502.2	0.001	6/3/91
2982	Carbon tetrachloride	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2984	Trichloroethene	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2987	Tetrachloroethene	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2990	Benzene	17019	0.001	<0.001	EPA502.2	0.001	6/3/91

Comments:

FORM Lab 55010
FORM Lab 55157
INSTRUM Lab 399
SCHEM Lab 90010

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
PINKSHU WATEN 17-020

ADD: Lowell

(1) Client SSU Services (2) Address 1790 N. W. 11th St (3) Phone 407 334 5584
Leilani, N. W. Leilani TOWSON BEACH FL 34757
(4) Public Drinking Water ID # N/A (5) Public Water System Name: Leilani Heights
(6) Project # _____ (7) Public Water System Type _____
(8) PWS _____ (9) Community () Non-Community () Special Non-Community

PRESERVATION	PLASTIC CONTAINERS					GLASS CONTAINERS					NOTES
	100ml	125ml	250ml	500ml	1L	100ml	250ml	500ml	1L		
1790											(1) Turn Around Time: 10 Working Days : _____ 8 Working Days : _____ 5 Working Days : _____ 3 Working Days : _____ 1 Working Day : _____ Other : _____ (2) AM BUDGET <u>Keep C-10</u> 4 PAGES <u>PLT COMP</u>

(10) KR Relinquished: _____ (11) Date _____ (12) Received _____ (13) Date _____
(14) Time _____ (15) Time _____

SAMPLE INFORMATION: SAMPLE DATE: MONTH MAY DATE 3 YEAR 1991
 SAMPLE TYPE (check all applicable): () check, () regular distribution
 (X) composite, () clearance, () max residence time, () plant top,
 (X) raw, () well, () resample _____, () special _____

SAMPLE'S NAME: LOWELL PULK TITLE: OWNER PHONE: 334-5584

SAMPLE'S SIGNATURE: Lowell T. Pulk

NOTES:

FOX RUN 1 D⁺ 443-1766
 LEILANI #1 443-0790
 LEILANI #2 443-0740
 FISHERMANS HAVEN 443-0442

(16) Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Microorganisms _____; Volatile Organics X;
 Organic Chemical _____; Secondary Chemical _____; Microbiology _____; Unregulated Organic Pesticides _____;
 Unregulated Organic Pesticide _____; Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____

(17) Laboratory Number

(18) Client Sample Identification

17019	01
	02
	03
	04
	05
	06
	07
	08
	09
	10

(19) Collector's Signature:

Date

Time

(20) Transporter's Signature:

5/3/91

10:20 A

(21) Lab Acceptance (by):

5/3/91

10:20



Received From:

SSU
1790 NE 24th St.
JensonBch, FL 34957

Date Reported: Sep23 1991

PO Number: L112391

PO Number SSU

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: COMP. SAMPLE

Date Received:

Sep18 1991

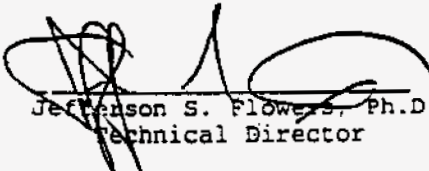
Lab Number : 17833

REPORT OF ANALYSIS

17833					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	109	.921	<0.000005
Para-dichlorobenzene	mg/L	0.001	105	.761	<0.001
Vinyl chloride	mg/L	0.001	125	.777	<0.001
1,1-dichloroethene	mg/L	0.001	125	.777	<0.001
1,2-dichloroethane	mg/L	0.001	104	2.11	<0.001
1,1,1-trichloroethane	mg/L	0.001	117	.966	<0.001
Carbon tetrachloride	mg/L	0.001	116	1.63	<0.001
Trichloroethene	mg/L	0.001	110	.165	<0.001
Tetrachloroethene	mg/L	0.001	110	1.24	<0.001
Benzene	mg/L	0.001	112	.033	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-0442 / 443-0790 / 443-1700
Public Water System Name: FISHERMAN'S HAVEN / LAILAN, HOTS / FOX RUN
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17833
Sample Location (be specific): AT WELL
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☒ Well ☐ Resample
☐ Special

Sampler Name, Title Phone: Lowell Peltz OPER 407 334 5384

ANALYSIS INFORMATION

Extraction Date: 09/17/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 9/20/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17833	.00002	<.000005	EPA504.1	.000005	9/19/91
2969	Para-dichlorobenzene	17833	.075	<0.001	EPA502.2	0.001	9/19/91
2976	Vinyl chloride	17833	0.001	<0.001	EPA502.2	0.001	9/19/91
2977	1,1-dichloroethene	17833	0.007	<0.001	EPA502.2	0.001	9/19/91
2980	1,2-dichloroethane	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2981	1,1,1-trichloroethane	17833	0.2	<0.001	EPA502.2	0.001	9/19/91
2982	Carbon tetrachloride	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2984	Trichloroethene	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2987	Tetrachloroethene	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2990	Benzene	17833	0.001	<0.001	EPA502.2	0.001	9/19/91

Comments:



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1790 NE 24th St.
JensonBch, FL 34957

Date Reported: Dec30 1991

PO Number: L114398

PO Number Leilani Hghts

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE

Date Received:

Dec24 1991

Lab Number : 18582

REPORT OF ANALYSIS

					18582
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	113	4.07	<0.000005
Para-dichlorobenzene	mg/L	0.001	97.1	.793	<0.001
Vinyl chloride	mg/L	0.001	105	.389	<0.001
1,1-dichloroethene	mg/L	0.001	105	.389	<0.001
1,2-dichloroethane	mg/L	0.001	101	1.47	<0.001
1,1,1-trichloroethane	mg/L	0.001	98.9	2.26	<0.001
Carbon tetrachloride	mg/L	0.001	99.8	2.11	<0.001
Trichloroethene	mg/L	0.001	101	3.70	<0.001
Tetrachloroethene	mg/L	0.001	102	1.69	<0.001
Benzene	mg/L	0.001	90.8	3.13	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Andrew Harrison
Laboratory Manager

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-0442 / 443-0790 / 443-1700
 Public Water System Name: RISHMAN'S HERRN / LEILANI HOTS / FOX RUN
 Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
 Parameter Group(s) Analyzed: Turbidity____; Inorganic____; Trihalomethane____;
 Volatile Organic X____; Organic Chemical____; Secondary Chemical____; Radiological____;
 Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;
 Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;
 Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): _____
 Laboratory Sample Number: 18582
 Sample Location (be specific): _____
 Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special
 Sampler Name, Title Phone: LAUREN PINK OPERATOR 407 334 5584

ANALYSIS INFORMATION

Extraction Date: 12/23/91
 Laboratory Contact: Dr. J.S. Flowers
 Resample Requested? (check one): ☐ Yes ☒ No
 ANALYSIS SUBMITTED: Turbidity____; Inorganic____; Trihalomethane____;
 Volatile Organic____; Organic Chemical____; Secondary Chemical____; Radiological____;
 Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;
 Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name: Andrew B. Harrison
 Title: Laboratory Manager
 Laboratory: Flowers Chemical Laboratories, Inc.

Mail Results to the
 Appropriate DER or ACPHU Office:

Date: 12/30/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
 Effective 06/01/89 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18582	.00002	<.000005	EPA504.1	.000005	12/27/91
2969	Para-dichlorobenzene	18582	.075	<0.001	EPA502.2	0.001	12/24/91
2976	Vinyl chloride	18582	0.001	<0.001	EPA502.2	0.001	12/24/91
2977	1,1-dichloroethene	18582	0.007	<0.001	EPA502.2	0.001	12/24/91
2980	1,2-dichloroethane	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2981	1,1,1-trichloroethane	18582	0.2	<0.001	EPA502.2	0.001	12/24/91
2982	Carbon tetrachloride	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2984	Trichloroethene	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2987	Tetrachloroethene	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2990	Benzene	18582	0.001	<0.001	EPA502.2	0.001	12/24/91

Comments:

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

FOER Lab E80018
FOER Lab E8138
NCEC Lab 288
SCNCC Lab 88018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-580

(1) Client S.S.U.		(2) Address 1790 N.E. 24th St. Jensen Bch, FL 34957		(3) Phone (407) 334-5584	
(4) Public Drinking Water ID # 443-079000		(5) Public Water System Name: LEILANI HGTS			
(6) Project: #		(8) Public Water System Type			
(7) PO# L 114398		☒ Community () Non-Community () Special Non-Community			

Total	Preservative		Plastic Containers					Glass Containers					NOTES:		
	HNO3	ZnOAC/HNO3	80ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L		2L	4L
(16) 3	15								X						

(12) Turn Around Time:
 10 Working Days: _____
 5 Working Days: _____
 3 Working Days: _____
 1 Working Day: _____
 Other: _____

COMPOSIT
5 WELLS
FOX RUN 443-1700
LEILANI HGTS 443-0790
FISHERMAN'S HAVEN 443-0442

(17) Kit Relinquished:	(17) Date	(9) Kit Received	(9) Date
	(17) Time		(9) Time

(10) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable

(18) Laboratory Number

(11) Client Sample Identification

✓ 18582

#1 FOX RUN NEW WELL
 #2 FOX RUN OLD WELL
 #3 LEILANI HGTS WELL #1
 #4 LEILANI HGTS WELL #2
 #5 FISHERMAN'S HAVEN WELL
 #6
 #7
 #8
 #9
 #10

(13) Collectors Signature:

Lowell T. Polk

Date

12-23-91

Time

11:00 AM - 1:00 PM

(14) Transporters Signature:

[Signature]

12/24/91

2:25

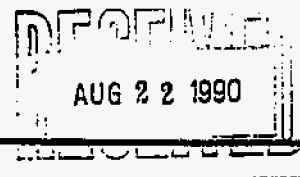
(15) Lab Acceptance By:

[Signature]

Over for numbered instructions.



ORLANDO LABORATORIES INC



P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-08-208

Date Received: 08/16/90

Date Reported: 08/21/90

OLI Contact: E-HOBBS

Work ID: Fisherman Haven

Total Samples: 1

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 2130 NE Rustic Way

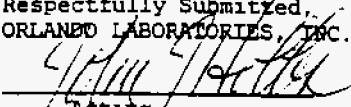
TEST CODES and NAMES used on this report
PWS033 Radiological Analysis

Copy of results to:

SSU Services
Attn: Mel Fischer
1790 NE 24th Street
Jensen Beach, FL 34957

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence

(407) 896-8645

(800) 826-8320


Eric Malarek
QUALITY CONTROL

FAX (407) 896-8588

ORLANDO LABORATORIES, INC.
Received: 08/15/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-208

SAMPLE ID 2130 NE Rustic Way
DATE COLLECTED 08/15/90 17:00:00
TEST NAME Radiological Analysis

SAMPLE# Q1A
MATRIX WATER
TEST CODE PMS033

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PMS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u>3.6</u>	<u>EPA 900.0</u>	<u>+/- 2.5</u>	<u>08/17/90</u>
4005 Total Uranium	_____	<u>N/A</u>	_____	_____	<u>---</u>
4010 Total Radium	_____	<u>N/A</u>	_____	_____	<u>---</u>
4020 Radium-226	_____	<u>N/A</u>	_____	_____	<u>---</u>
4030 Radium-228	_____	<u>N/A</u>	_____	_____	<u>---</u>
4100 Gross Beta	_____	<u>N/A</u>	_____	_____	<u>---</u>

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: FISHERMAN'S HAVEN
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Radiological Analysis
Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 08 / 15 / 90
Laboratory Sample Number: 90-08-208
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): / / N/A
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity ☐; Inorganic ☐; Trifluoromethane ☐; Volatile Organic ☐; Organic Chemical ☐;
Secondary Chemical ☐; Radiological ☐; Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: [Signature]
Name: Eric Malarek
Title: Quality Control Officer
Laboratory: Orlando Laboratories, Inc.
Date: 8/21/90

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-08-208
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Gross Alpha	0.0	94	08/17/90	JAB

End of Report

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD
(INSTRUCTIONS ON BACK)

No 05674

Page ____ of ____

[illegible]

UNITED STATES
 DEPARTMENT OF JUSTICE
 FEDERAL BUREAU OF INVESTIGATION

0169

EAST COAST LABORATORIES

3313 Oleander Ave., Suite 23
FL Pines, FL 34882

DHRS I.D. #88257

Phone: (W) 407/481-3182
(H) 407/484-8713

FOR LAB USE ONLY

Date / Time Received / By:

12/5/91 1625 WA

Date / Time Set Up / By:

12/5 1630 W

Date / Time Results Read / By:

12/6 1530 W

DRINKING WATER BACTERIOLOGICAL ANALYSIS

(Check One)

- ☐ Buyer
☐ Seller
☐ Owner
☐ System

NAME FISHERMANS HAVEN

SYSTEM I.D. NO. 4490442

STREET ADDRESS: RUSTIC WAY

COUNTY MARTIN DISTRICT 4

CITY JENSEN BEACH

SYSTEM PHONE NO. 407 334 5584

COLLECTOR'S NAME LOWELL T. PALK

COLLECTOR'S PHONE NO. 407 334 5584

DATE AND TIME COLLECTED DEC 05 1991 130 PM

TYPE OF SUPPLY (Circle one)

Community water system

Noncommunity water system

Nontransient - noncommunity water system

Other public water system

TYPE OF SAMPLE (Circle one)

Compliance

Repeat

Replacement

Main clearance

Well survey

Other

(Check Box)

☒ Distribution

☒ Flow

(Check Box)

☐ TNTC or C

☐ Turbid

PHA

VA

Conventional Lead

INSTRUCTIONS TO LAB (Check)

☐ Call Results To (P/L No. _____)

☐ Hold for Pick-Up

☐ Fax to: (Fax No. _____)

☐ Mail to: _____

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE

COLL. NO.	SAMPLE POINT (Specific Location)	CI FIELD	pH
13	WELL	-	7.6
14	PRESSURE TANK	1.5	7.0
15	2360 RUSTIC WAY	1.0	7.2
16	2126 RUSTIC PLACE	0.8	7.0

TO BE COMPLETED BY LAB

ANALYSIS METHOD:	MP	MTF	MMO-MUG	PA
SAMPLE NUMBER	NON COLIFORM	TOTAL	CONFIRM TOTAL	CONFIRM FICAL
120591-23	0	A		
24	0	A		
25	0	A		
26	0	A		
POCO	0	A		

1. L=Light: 1-49 Non-Coliform Colonies

M=Moderate: 50-200 Non-Coliform Colonies

C=Confluent Growth

TNTC=Too Numerous To Count

2. Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present

A - Coliforms are absent

TR - Turbid, Absence of gas or acid

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU
1790 NE 24TH ST
JENSEN BEACH
FLA 34957

INTERPRETATIONS/REMARKS BY PROGRAM REVIEWER

- ☐ SATISFACTORY
☐ INCOMPLETE COLLECTION INFORMATION
☐ REPEAT SAMPLES
☐ REPLACEMENT SAMPLES

REVIEWING OFFICIAL: _____

TITLE: _____

Fountains - 772

Osceola County (SSU)

Water

- 1992 FPSC Filing -

Fountains

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	1/91
Organic	1/91
Volatile Organic Chemicals	1/91
	*
	*
	*
Turbidity	1/91
Microbiological	12/91
Radionuclide	1/91
Secondary Contaminants	1/91
Unregulated Contaminants	1/91

* The Fountains was placed in service April, 1991. Quarterly Volatile Organic Chemical analyses will taken January, April, July and October, 1992.



General Offices

1000 Color Place
Apopka, FL 32703
[407] 880-0058

January 17, 1991

Mr. Joseph McNamara, P.E. Manager
Drinking Water Program
Florida Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Fountains water treatment plant - Osceola County I.D. #WC49-2024

Dear Mr. McNamara:

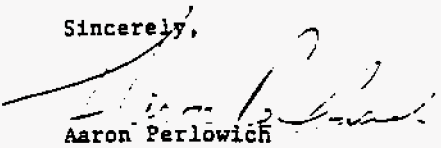
We are presently in the process of activating the above referenced facility with the objective of providing water service to the Oak Pointe subdivision now under development on Pleasant Hill Road.

Please find enclosed the complete chemical analysis for well #1 and #2, also included are 18 each total coliform analysis for the two wells with a cover letter from Orlando laboratories explaining the two missing analysis for each well.

We are having the plant sandblasted and refurbished and propose having the tanks filled and pressured in the next twenty days. We will notify your office and submit satisfactory coliform clearance analysis on the ground storage and hydropneumatic tanks prior to putting the plant in service.

If any other information is required at this time to proceed with putting the facility into service, please let us know.

Sincerely,


Aaron Perlowich
Sr. Regent Manager

enclosures

cc: Charles Sweat
Frank Sanderson
Engineering w/ attachments
Clare Doizer w/ attachments

Serving the customers of the Citrus Springs, Deltona, Marco Island, Manon Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

FLOWERS



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:

S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991

PO Number: Fountains

PO Number WC49-20-24

FDHRS Lab# : 93139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#1

Date Received:

Dec 8 1990

Lab Number : 15851

REPORT OF ANALYSIS

					15851
Parameter	Unit	Method	MACC	MPRO	
Detection Limit					
Turbidity	NTU	0.05	105	6.10	0.25
Arsenic	mg/L	0.0005	109	2.64	<0.0005
Barium	mg/L	0.01	97.4	1.58	<0.01
Cadmium	mg/L	0.001	102	0.26	<0.001
Chromium	mg/L	0.005	107	0.49	<0.005
Fluoride	mg/L	0.05	101	0.12	0.122
Lead	mg/L	0.01	96.4	1.11	<0.01
Mercury	mg/L	0.0002	104	5.53	<0.0002
Nitrate (as N)	mg/L	0.01	118	2.68	0.04
Selenium	mg/L	0.0005	106	2.80	0.014
Silver	mg/L	0.005	101	0.61	<0.005
Sodium	mg/L	0.002	101	0.24	3.5
THM	mg/L	0.001	99.3	5.95	<0.001
Ethylene dibromide	mg/L	0.000005	97.2	5.68	0.0005
Para-dichlorobenzene	mg/L	0.001	108	2.77	<0.001
Methyl chloride	mg/L	0.001	110	3.59	<0.001
1,1-Dichloroethene	mg/L	0.001	110	3.59	<0.001
1,1-Dichloroethane	mg/L	0.001	110	3.59	<0.001
1,1,1-Trichloroethane	mg/L	0.001	97.5	1.25	<0.001
Carbon tetrachloride	mg/L	0.001	97.1	2.37	<0.001
Trichloroethene	mg/L	0.001	101	3.06	<0.001
Tetrachloroethene	mg/L	0.001	96.4	1.27	<0.001
Benzene	mg/L	0.001	94.3	0.70	<0.001
Endrin	mg/L	0.000001	95.4	2.77	<0.000001
Lindane	mg/L	0.000001	109	5.35	<0.000001
Methoxychlor	mg/L	0.00001	97.2	2.56	<0.00001

Data Release Authorized on

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FDL GA and EPA approved methodology.

[Signature]
Jefferson L. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
Jefferson & Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 260-4115



CHEMICAL
LABORATORIES
INCORPORATED

Received From: S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991
PO Number: Fountains
PO Number WC49-20-24
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL#1
Date Received:

Dec 8 1990

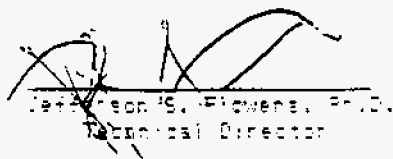
Lab Number : 15851

REPORT OF ANALYSIS

15851					
Parameter	Unit	Method	XACC	XPRC	
		Detection			
		Limit			
Toxaphene	mg/L	0.0001	104	2.84	<0.0001
2,4-D	mg/L	0.00005	99.7	0.15	<0.00005
2,4,5-TP (Silvex)	mg/L	0.00002	92.1	4.76	<0.00002
Calcium	mg/L	0.1	108	1.29	32.1
Chloride	mg/L	0.015	97.9	1.06	6.4
Carbonate_CaCO3	mg/L	0.1			101.2
Hydroxide_CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	103	0.09	0.007
Bicarbonate_CaCO3	mg/L	0.1			129.6
Carbonate Alkalinity	mg/L	0.1			0.4
Hydrogen Sulfide	mg/L	0.5	-	-	1.5
Iron	mg/L	0.01	80.1	1.00	0.236
Magnesium	mg/L	0.01	77.8	0.19	5.15
Manganese	mg/L	0.005	100	0.09	0.005
Sulfate	mg/L	0.2	108	9.15	3.1
Zinc	mg/L	0.001	105	2.14	0.008
Carbon Dioxide	mg/L	0.1			7.4
Color	mg/L	5	-	0.00	55
Total Hardness	mg/L	0.1			101.2
NCH-as_CaCO3	mg/L	0.1			<0.1
Odor (TON)	TON	1	-	0.00	5
Field pH	pH	0.01			-
Lab pH	pH	0.01	101	1.26	7.547
Alkalinity	mg/L	0.1	106	0.24	130
TDS	mg/L	2.5	98.4	2.81	190
Temperature	°C	1			25

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 10

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5784
FAX 407 339-5770

FLOWERS



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:

S.S.U.
1000 Color Place
AdopKa, FL 32703

Date Reported: Jan 9 1991

PO Number: Fountains

PO Number WC49-20-24

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#1

Date Received:

Dec 8 1990

Lab Number : 15851

REPORT OF ANALYSIS

15851				
Parameter	Unit	Method	%ACC	%PRC
		Detection		
		Limit		
Langelier_Index	LX	0.01		-0.28
Saturation_Index	pHs	0.01		7.82
Stability_Index	pH	0.01		8.1
Foaming_Agents	mg/L	0.1	102	0.90
Field Chlorine	mg/L	0.1		<0.1
Gross alpha incl. Ra	pCi/L	1	-	-
Chloromethane	mg/L	0.001	110	3.59
Dichlorodifluorometh	mg/L	0.001	97.1	2.27
Bromomethane	mg/L	0.001	110	3.59
Chloroethane	mg/L	0.001	110	3.59
Trichlorofluorometha	mg/L	0.001	97.1	2.27
trans-1,3-dichlorop	mg/L	0.001	96.4	10.8
cis-1,3-dichloroprop	mg/L	0.001	97.4	8.29
Methyl-tert-butyleth	mg/L	0.001	107	7.37
cis-1,3-dichloroethe	mg/L	0.001	95.1	1.97
Dibromomethane	mg/L	0.001	94.7	2.63
1,1-dichloropropene	mg/L	0.001	97.5	1.25
1,3-dichloropropene	mg/L	0.001	96.4	1.27
1,2,3-trichloropropa	mg/L	0.001	102	4.48
2,3-dichloropropene	mg/L	0.001	110	3.59
1,2-dibromo-3-chloro	mg/L	0.001	106	0.74
Chloroform	mg/L	0.001	95.1	1.97
Bromoform	mg/L	0.001	106	12.2
Bromodichloromethane	mg/L	0.001	94.7	2.63
Dibromochloromethane	mg/L	0.001	96.4	10.7
p-xylene	mg/L	0.001	92.6	1.56

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL 2A and EPA approved methodology.

[Signature]
Jefferson L. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 1407 339-5984
FAX 1407 339-6110

Page 5 of 1



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
S.S.U.
1000 Colon Place
Apopka, FL 32703

Date Reported: Jan 9 1991
PO Number: Fountains
PO Number WC49-20-24
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL#1
Date Received:

Dec 8 1990

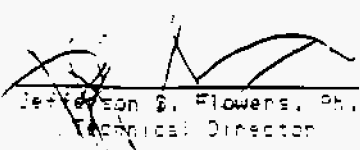
Lab Number : 15851

REPORT OF ANALYSIS

					15851
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Methylene chloride	mg/L	0.001	113	1.45	<0.001
o-chlorotoluene	mg/L	0.001	106	9.22	<0.001
p-chlorotoluene	mg/L	0.001	106	9.22	<0.001
m-dichlorobenzene	mg/L	0.001	89.3	13.8	<0.001
p-dichlorobenzene	mg/L	0.001	106	9.22	<0.001
1,1-dichloroethane	mg/L	0.001	110	3.59	<0.001
trans-1,2-dichloroet	mg/L	0.001	111	11.4	<0.001
1,2-dichloropropane	mg/L	0.001	101	4.72	<0.001
1,1,2-trichloroethan	mg/L	0.001	99.7	6.91	<0.001
1,1,1,2-tetrachlorob	mg/L	0.001	90.2	0.46	<0.001
1,1,1,2-tetrachlorob	mg/L	0.001	102	4.48	<0.001
Chlorobenzene	mg/L	0.001	90.2	0.46	<0.001
Toluene	mg/L	0.001	90.9	0.69	<0.001
Ethylbenzene	mg/L	0.001	91.0	0.62	<0.001
Styrene	mg/L	0.001	90.2	0.46	<0.001
m-xylene	mg/L	0.001	92.8	1.56	<0.001
Styrene	mg/L	0.001	92.8	1.56	<0.001
o-xylene	mg/L	0.001	92.8	1.56	<0.001
Dalapon	mg/L	0.000001	93.2	4.12	<0.000001
Quamyl (Hydrex)	mg/L	0.002	101	1.21	<0.002
Simazine	mg/L	0.007	92.0	4.83	<0.007
Picloram	mg/L	0.00007	96.0	2.41	<0.00007
Dinoseb	mg/L	0.00001	91.3	5.27	<0.00001
Alachlor sulfonide	mg/L	0.002	104	3.69	<0.002
Alachlor sulfone	mg/L	0.002	105	4.69	<0.002
Metolachlor	mg/L	0.0005	92.4	4.57	<0.0005

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


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Technical Director

Page 7 of 12

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FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991

PO Number: Fountains

PO Number WC49-20-24

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#1

Date Received:

Dec 8 1990

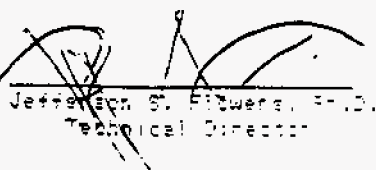
Lab Number : 15951

REPORT OF ANALYSIS

					15951
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Carbofuran	mg/L	0.001	106	5.07	<0.001
Aldicarb	mg/L	0.002	102	1.39	<0.002
Atrazine	mg/L	0.002	98.7	0.79	<0.002
Alachlor (Lasso)	mg/L	0.0002	105	2.91	<0.0002
Heptachlor	mg/L	0.000005	90.8	5.63	<0.000005
Aldrin	mg/L	0.00007	109	5.17	<0.00007
Dieldrin	mg/L	0.00001	107	4.21	<0.00001
Dicamba	mg/L	0.00001	99.7	0.15	<0.00001
Chlordane	mg/L	0.00001	99.0	0.58	<0.00001
Pentachlorophenol	mg/L	0.005	106	3.80	<0.005
Heptachlorocyclopenta	mg/L	0.001	93.8	3.73	<0.001
Dioxin	mg/L	0.00001	102	2.88	<0.00001
Isophorone	mg/L	0.001	103	1.94	<0.001
2,4-dinitrotoluene	mg/L	0.001	94.9	3.69	<0.001
Dimethylphthalate	mg/L	0.001	93.3	4.87	<0.001
Diethylphthalate	mg/L	0.001	102	1.55	<0.001
2-sec-butylphthalate	mg/L	0.001	106	3.80	<0.001
Butyl benzyl phthala	mg/L	0.001	106	3.80	<0.001
Diethylhexylphth	mg/L	0.001	106	3.80	<0.001
1,2,4-trichlorobenze	mg/L	0.001	106	3.80	<0.001
PCB-1016	mg/L	0.0001	103	1.91	<0.0001
PCB-1221	mg/L	0.0001	101	2.03	<0.0001
PCB-1232	mg/L	0.0001	102	1.52	<0.0001
PCB-1242	mg/L	0.0001	104	2.46	<0.0001
PCB-1248	mg/L	0.0001	99.3	1.48	<0.0001
PCB-1254	mg/L	0.0001	101	1.36	<0.0001

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Page 2 of 12

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0178



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991

PO Number: Fountains

PO Number WC49-20-24

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHED Lab# : 96019

For: WELL#1

Date Received:

Dec 9 1990

Lab Number : 15851

REPORT OF ANALYSIS

					15851
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB-1260	mg/L	0.0001	98.1	1.60	<0.0001
Dicobtylthalate	mg/L	0.001	102	1.55	<0.001
2-chlorophenol	mg/L	0.001	92.2	5.72	<0.001
2-methyl-4-cyaniditol	mg/L	0.001	102	1.55	<0.001
Phenol	mg/L	0.001	98.0	1.41	<0.001
2,4,6-trichloropheno	mg/L	0.001	102	1.55	<0.001

Data Release Authorization

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Page 11 of 12

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Fountains
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☒; Inorganic ☒; Trihalomethane ☒;
Volatile Organic ☒; Organic Chemical ☒; Secondary Chemical ☒; Radiological ☒;
Unregulated Organic Purgeable ☒; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;
Subcontracted Lab Certification Number For Radiological Parameters: HRS13186

SAMPLE INFORMATION

Sample Date (MMDDYY): _____
Laboratory Sample Number: 15851
Sample Location (be specific): well #1
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composit
☒ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☒ Well ☐ Resample
☐ Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: 1/4/91
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☒; Inorganic ☒; Trihalomethane ☒;
Volatile Organic ☒; Organic Chemical ☒; Secondary Chemical ☒; Radiological ☒;
Unregulated Organic Purgeable ☒; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 1/8/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	15851	1	0.35	EPA180.1	0.05	12/27/90

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	15851	0.05	<0.001	EPA208.3	0.0005	12/24/90
1010	Barium	15851	1	<0.1	EPA208.1	0.01	12/31/90
1015	Cadmium	15851	0.01	<0.001	EPA213.1	0.001	12/19/90
1020	Chromium	15851	0.05	<0.005	EPA218.1	0.005	12/19/90
1025	Fluoride	15851	4	0.122	EPA340.1	0.05	12/27/90
1030	Lead	15851	0.05	<0.01	EPA239.1	0.01	12/28/90
1035	Mercury	15851	0.002	<0.0002	EPA245.1	0.0002	12/20/90
1040	Nitrate(as N)	15851	10	0.04	EPA353.1	0.01	12-31-90
1045	Selenium	15851	0.01	0.014	EPA270.3	0.0005	12/31/90
1050	Silver	15851	0.05	<0.005	EPA272.1	0.005	12/19/90
1052	Sodium	15851	160	3.50	EPA273.1	0.002	12/19/90

Comments:

Trihalomethane Analysis
17-550.310(2)(c)
(PWS027)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2950	TTHM	15851	0.10	<0.001	EPA502.2	0.001	1/2/91

Comments:

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	15851	0.00002	<.000005	EPA504.1	0.000005	1/3/91
2969	Para-dichlorobenzene	15851	0.075	<0.001	EPA502.2	0.001	1/2/91
2976	Vinyl chloride	15851	0.001	<0.001	EPA502.2	0.001	1/2/91
2977	1,1-dichloroethene	15851	0.007	<0.001	EPA502.2	0.001	1/2/91
2980	1,2-dichloroethane	15851	0.003	<0.001	EPA502.2	0.001	1/2/91
2981	1,1,1-trichloroethane	15851	0.2	<0.001	EPA502.2	0.001	1/2/91
2982	Carbon tetrachloride	15851	0.003	<0.001	EPA502.2	0.001	1/2/91
2984	Trichloroethene	15851	0.003	<0.001	EPA502.2	0.001	1/2/91
2987	Tetrachloroethene	15851	0.003	<0.001	EPA502.2	0.001	1/2/91
2990	Benzene	15851	0.001	<0.001	EPA502.2	0.001	1/2/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	15851	0.0002	<.000001	EPA508	.000001	1/4/91
2010	Lindane	15851	0.004	<.000001	EPA508	.000001	1/4/91
2015	Methoxychlor	15851	0.1	<0.00001	EPA508	0.00001	1/4/91
2020	Toxaphene	15851	0.005	<0.0001	EPA508	0.0001	1/4/91
2105	2,4-D	15851	0.1	<0.00005	EPA515	0.00005	1/8/91
2110	2,4,5-TP (Silvex)	15851	0.01	<0.00002	EPA515	0.00002	1/8/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	15851		32.1	EPA215.1	0.1	12/27/90
1017	Chloride	15851	250	6.4	EPA300.0	0.015	12-27-90
1019	Carbonate CaCO3	15851		101.2	SM314A	0.1	
1021	Hydroxide CaCO3	15851		0.0	SM406C	0.1	
1022	Copper	15851	1	0.007	EPA220.1	0.005	12/21/90
1023	Bicarbonate CaCO3	15851		129.6	SM406C	0.1	
1026	Carbonate Alkalinity	15851		0.4	SM406C	0.1	
1027	Hydrogen Sulfide	15851		1.5	EPA376.1	0.5	1/4/91
1028	Iron	15851	0.3	0.236	EPA236.1	0.01	12/27/90
1031	Magnesium	15851		5.15	EPA242.1	0.01	12/27/90
1032	Manganese	15851	0.05	0.005	EPA243.1	0.005	12/28/90
1055	Sulfate	15851	250	3.1	EPA300.0	0.200	12/19/90
1095	Zinc	15851	5	0.008	EPA289.1	0.001	12/21/90
1901	Carbon Dioxide	15851		7.4	SM406C	0.1	
1905	Color	15851	15	55	EPA110.1	5	12/28/90
1915	Total Hardness	15851		101.2	SM314A	0.1	
1917	NCH as CaCO3	15851		<0.1	SM314A	0.1	
1920	Odor(TON)	15851	3	5	EPA140.1	1	12/28/90
1924	Field pH	15851	6.5-8.5	-	EPA150.1	0.01	
1925	Lab pH	15851	6.5-8.5	7.547	EPA150.1	0.01	12/24/90
1927	Alkalinity	15851		130.0	EPA310.1	0.1	12/21/90
1930	TDS	15851	500	180.0	EPA160.1	2.5	12/21/90
1996	Temperature	15851		25	-	1	
1997	Langelier Index	15851	-0.2;+0.4	-0.28	SM203	0.01	
1998	Saturation Index	15851		7.82	SM203	0.01	
1999	Stability Index	15851		8.10	SM203	0.01	
2909	Foaming Agents	15851	0.5	<0.1	EPA425.1	0.1	12/31/90
	Field Chlorine	15851		-	-	0.1	

Comments:

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter	Sample	MCL	Analysis	Analytical	Det.Limit	Analysis
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ID	Name	Number	Value	Result(pCI) Method	Used	Date
4000	Gross alpha incl. Ra & U	15851	5	<1 EPA900	1	12/31/90

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	15851		<0.001	EPA502.2	0.001	1/2/91
2212	Dichlorodifluoromethane	15851		<0.001	EPA502.2	0.001	1/2/91
2214	Bromomethane	15851		<0.001	EPA502.2	0.001	1/2/91
2216	Chloroethane	15851		<0.001	EPA502.2	0.001	1/2/91
2218	Trichlorofluoromethane	15851		<0.001	EPA502.2	0.001	1/2/91
2224	trans-1,3,-dichloropropene	15851		<0.001	EPA502.2	0.001	1/2/91
2228	cis-1,3-dichloropropene	15851		<0.001	EPA502.2	0.001	1/2/91
2251	Methyl-tert-butylether	15851		<0.001	EPA502.2	0.001	1/2/91
2380	cis-1,2-dichloroethane	15851		<0.001	EPA502.2	0.001	1/2/91
2408	Dibromomethane	15851		<0.001	EPA502.2	0.001	1/2/91
2410	1,1-dichloropropene	15851		<0.001	EPA502.2	0.001	1/2/91
2412	1,3-dichloropropane	15851		<0.001	EPA502.2	0.001	1/2/91
2414	1,2,3-trichloropropane	15851		<0.001	EPA502.2	0.001	1/2/91
2416	2,2-dichloropropane	15851		<0.001	EPA502.2	0.001	1/2/91
2931	1,2-dibromo-3-chloropropane	15851		<0.001	EPA502.2	0.001	1/2/91
2941	Chloroform	15851		<0.001	EPA502.2	0.001	1/2/91
2942	Bromoform	15851		<0.001	EPA502.2	0.001	1/2/91
2943	Bromodichloromethane	15851		<0.001	EPA502.2	0.001	1/2/91
2944	Dibromochloromethane	15851		<0.001	EPA502.2	0.001	1/2/91
2962	p-xylene	15851		<0.001	EPA502.2	0.001	1/2/91
2964	Methylene chloride	15851		<0.001	EPA502.2	0.001	1/2/91
2965	o-chlorotoluene	15851		<0.001	EPA502.2	0.001	1/2/91
2966	p-chlorotoluene	15851		<0.001	EPA502.2	0.001	1/2/91
2967	m-dichlorobenzene	15851		<0.001	EPA502.2	0.001	1/2/91
2968	o-dichlorobenzene	15851		<0.001	EPA502.2	0.001	1/2/91
2978	1,1-dichloroethane	15851		<0.001	EPA502.2	0.001	1/2/91
2979	trans-1,2-dichloroethyl	15851		<0.001	EPA502.2	0.001	1/2/91
2983	1,2-dichloropropane	15851		<0.001	EPA502.2	0.001	1/2/91
2985	1,1,2-trichloroethane	15851		<0.001	EPA502.2	0.001	1/2/91
2986	1,1,1,2-tetrachloroethane	15851		<0.001	EPA502.2	0.001	1/2/91
2988	1,1,2,2-tetrachloroethane	15851		<0.001	EPA502.2	0.001	1/2/91
2989	Chlorobenzene	15851		<0.001	EPA502.2	0.001	1/2/91
2991	Toluene	15851		<0.001	EPA502.2	0.001	1/2/91
2992	Ethylbenzene	15851		<0.001	EPA502.2	0.001	1/2/91
2993	Bromobenzene	15851		<0.001	EPA502.2	0.001	1/2/91
2995	m-xylene	15851		<0.001	EPA502.2	0.001	1/2/91
2996	Styrene	15851		<0.001	EPA502.2	0.001	1/2/91
2997	o-xylene	15851		<0.001	EPA502.2	0.001	1/2/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
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2031	Dalapon	15851	<.000001	EPA515	.000001	1/8/91
2036	Oxamyl (Vydate)	15851	<0.002	EPA531	0.002	1/4/91
2037	Simazine	15851	<0.007	EPA505	0.007	1/8/91
2040	Picloram	15851	<0.00007	EPA515	0.00007	1/8/91
2041	Dinoseb	15851	<0.00001	EPA515	0.00001	1/8/91
2043	Aldicarb sulfoxide	15851	<0.002	EPA531	0.002	1/4/91
2044	Aldicarb sulfone	15851	<0.002	EPA531	0.002	1/4/91
2045	Metolachlor	15851	<0.0005	EPA505	0.0005	1/8/91
2046	Carbofuran	15851	<0.001	EPA531	0.001	1/4/91
2047	Aldicarb	15851	<0.002	EPA531	0.002	1/4/91
2050	Atrazine	15851	<0.002	EPA505	0.002	1/8/91
2051	Alachlor (Lasso)	15851	<0.0002	EPA505	0.0002	1/8/91
2065	Heptachlor	15851	<.000005	EPA508	.000005	1/8/91
2356	Aldrin	15851	<0.00007	EPA508	0.00007	1/8/91
2364	Dieldrin	15851	<0.00001	EPA508	0.00001	1/8/91
2440	Dicamba	15851	<0.00001	EPA515	0.00001	1/8/91
2959	Chlordane	15851	<0.00001	EPA508	0.00001	1/8/91
9114	Pentachlorophenol	15851	<0.005	EPA515	0.005	1/7/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	15851		<0.001	EPA612	0.001	1/7/91
2063	Dioxin	15851		<0.00001	EPA613	0.00001	1/4/91
2262	Isophorone	15851		<0.001	EPA609	0.001	1/7/91
2270	2,4-dinitrotoluene	15851		<0.001	EPA609	0.001	1/7/91
2282	Dimethylphthalate	15851		<0.001	EPA606	0.001	1/7/91
2284	Diethylphthalate	15851		<0.001	EPA606	0.001	1/7/91
2290	Di-n-butylphthalate	15851		<0.001	EPA606	0.001	1/7/91
2294	Butyl benzyl phthalate	15851		<0.001	EPA606	0.001	1/7/91
2298	Bis(2-ethylhexyl)phthalate	15851		<0.001	EPA606	0.001	1/7/91
2378	1,2,4-trichlorobenzene	15851		<0.001	EPA612	0.001	1/7/91
2388	PCB-1016	15851		<0.0001	EPA505	0.0001	1/4/91
2390	PCB-1221	15851		<0.0001	EPA505	0.0001	1/4/91
2392	PCB-1232	15851		<0.0001	EPA505	0.0001	1/4/91
2394	PCB-1242	15851		<0.0001	EPA505	0.0001	1/4/91
2396	PCB-1248	15851		<0.0001	EPA505	0.0001	1/4/91
2398	PCB-1254	15851		<0.0001	EPA505	0.0001	1/4/91
2400	PCB-1260	15851		<0.0001	EPA505	0.0001	1/4/91
9089	Diethylphthalate	15851		<0.001	EPA606	0.001	1/7/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	15851		<0.001	EPA604	0.001	1/7/91
9112	2-methyl-4,6-dinitrophenol	15851		<0.001	EPA604	0.001	1/7/91
9115	Phenol	15851		<0.001	EPA604	0.001	1/7/91
9116	2,4,6-trichlorophenol	15851		<0.001	EPA604	0.001	1/7/91

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991

PO Number: Fountains

PO Number WC49-20-24

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#2

Date Received:

Dec 8 1990

Lab Number : 15852

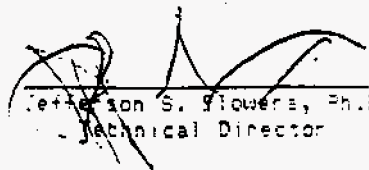
REPORT OF ANALYSIS

					15852
Parameter	Unit	Method	%ADD	%PRC	
		Detection			
		Limit			
Turbidity	NTU	0.05	105	6.10	0.25
Arsenic	mg/L	0.0005	109	2.84	<0.0005
Barium	mg/L	0.01	97.4	1.58	<0.01
Cadmium	mg/L	0.001	102	0.26	<0.001
Chromium	mg/L	0.005	107	0.49	<0.005
Fluoride	mg/L	0.05	101.	0.12	0.0108
Lead	mg/L	0.01	96.4	1.11	<0.01
Mercury	mg/L	0.0002	104	5.53	<0.0002
Nitrate(as N)	mg/L	0.01	118	3.68	0.03
Selenium	mg/L	0.0005	106	2.80	0.01
Silver	mg/L	0.005	101	0.61	<0.005
Sodium	mg/L	0.002	101	0.24	3
THM	mg/L	0.001	99.0	6.85	<0.001
Ethylene dibromide	mg/L	0.000005	97.2	6.68	0.0005
Para-dichlorobenzene	mg/L	0.001	108	8.77	<0.001
Vinyl chloride	mg/L	0.001	110	3.59	<0.001
1,1-dichloroethene	mg/L	0.001	110	3.59	<0.001
1,2-dichloroethane	mg/L	0.001	110	3.59	<0.001
1,1,1-trichloroethane	mg/L	0.001	97.5	1.25	<0.001
Carbon tetrachloride	mg/L	0.001	97.1	2.27	<0.001
Trichloroethene	mg/L	0.001	101	2.06	<0.001
Tetrachloroethene	mg/L	0.001	96.4	1.27	<0.001
Benzene	mg/L	0.001	94.3	0.70	<0.001
Endrin	mg/L	0.000001	95.4	2.77	<0.000001
Lindane	mg/L	0.000001	109	5.35	<0.000001
Methoxychlor	mg/L	0.00001	97.2	2.56	<0.00001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.

Methods of analysis in accordance with FCL QA and EPA approved methodology.



Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

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CHEMICAL
LABORATORIES
INCORPORATED

Received From:

S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991

PD Number: Fountains

PD Number WC49-20-24

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#2

Date Received:

Dec 8 1990

Lab Number : 15852

REPORT OF ANALYSIS

					15852
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Toxaphene	mg/L	0.0001	104	2.84	<0.0001
2,4-D	mg/L	0.00005	99.7	0.15	<0.00005
2,4,5-TP (Silvex)	mg/L	0.00002	92.1	4.76	<0.00002
Calcium	mg/L	0.1	108	1.29	40.8
Chloride	mg/L	0.015	97.9	1.06	6
Carbonate_CaCO3	mg/L	0.1			129.1
Hydroxide_CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	103	0.09	<0.005
Bicarbonate_CaCO3	mg/L	0.1			128.7
Carbonate_Alkalinity	mg/L	0.1			0.4
Hydrogen_Sulfide	mg/L	0.5	-	-	0.7
Iron	mg/L	0.01	80.1	1.00	0.285
Magnesium	mg/L	0.01	77.8	0.19	6.6
Manganese	mg/L	0.005	100	0.09	0.006
Sulfate	mg/L	0.2	108	8.15	71.6
Zinc	mg/L	0.001	105	2.14	0.008
Carbon_Dioxide	mg/L	0.1			8.3
Color	mg/L	5	-	0.00	10
Total_Hardness	mg/L	0.1			129.1
NCH_as_CaCO3	mg/L	0.1			<0.1
Odor(TON)	TON	1	-	0.00	2
Field_pH	pH	0.01			-
Lab_pH	pH	0.01	101	1.26	7.494
Alkalinity	mg/L	0.1	106	0.24	129.1
TDS	mg/L	2.5	98.4	2.31	151.4
Temperature	oC	1			25

Data Release Authorization

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Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 12

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CHEMICAL
LABORATORIES
INCORPORATED

Received From:

S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991

PD Number: Fountains

PD Number WC49-20-24

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#2

Date Received:

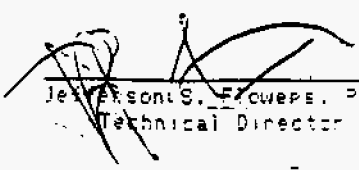
Dec 8 1990

Lab Number : 15852

REPORT OF ANALYSIS

15852				
Parameter	Unit	Method	%ACC	%PRC
		Detection		
		Limit		
Langelier_Index	LX	0.01		-0.23
Saturation_Index	pHs	0.01		7.72
Stability_Index	pH	0.01		7.95
Foaming_Agents	mg/L	0.1	102	0.90
Field Chlorine	mg/L	0.1		-
Gross alpha incl. Ra	pCi/L	1	-	-
Chloromethane	mg/L	0.001	110	3.59
Dichlorodifluorometh	mg/L	0.001	97.1	2.27
Bromomethane	mg/L	0.001	110	3.59
Chloroethane	mg/L	0.001	110	3.59
Trichlorofluorometha	mg/L	0.001	97.1	2.27
trans-1,2-dichlorop	mg/L	0.001	96.4	10.8
cis-1,2-dichloroprop	mg/L	0.001	97.4	8.29
Methyl-tert-butyleth	mg/L	0.001	107	7.37
cis-1,2-dichloroethe	mg/L	0.001	95.1	1.97
Dibromomethane	mg/L	0.001	94.7	2.63
1,1-dichloropropene	mg/L	0.001	97.5	1.25
1,3-dichloropropane	mg/L	0.001	96.4	1.27
1,2,3-trichloropropa	mg/L	0.001	102	4.48
2,2-dichloropropane	mg/L	0.001	110	3.59
1,2-dibromo-3-chloro	mg/L	0.001	106	0.74
Chloroform	mg/L	0.001	95.1	1.97
Bromoform	mg/L	0.001	106	12.2
Bromodichloromethane	mg/L	0.001	94.7	2.63
Dibromochloromethane	mg/L	0.001	99.9	10.7
p-xylene	mg/L	0.001	92.8	1.56

Data Release Authorization

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Methods of analysis in accordance with FCL QA and EPA approved methodology.

 Jeffrey S. Flowers, Ph.D.
 Technical Director

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CHEMICAL
LABORATORIES
INCORPORATED

Received From:

S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991

PD Number: Fountains

PD Number WC49-20-24

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#2

Date Received:

Dec 8 1990

Lab Number : 15852

REPORT OF ANALYSIS

					15852
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Methylene chloride	mg/L	0.001	113	1.45	<0.001
o-chlorotoluene	mg/L	0.001	106	9.22	<0.001
p-chlorotoluene	mg/L	0.001	106	9.22	<0.001
m-dichlorobenzene	mg/L	0.001	89.3	13.8	<0.001
o-dichlorobenzene	mg/L	0.001	106	9.22	<0.001
1,1-dichloroethane	mg/L	0.001	110	3.59	<0.001
trans-1,2-dichloroet	mg/L	0.001	111	11.4	<0.001
1,2-dichloropropane	mg/L	0.001	101	4.72	<0.001
1,1,2-trichloroethan	mg/L	0.001	99.7	6.91	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	90.2	0.46	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	102	4.48	<0.001
Chlorobenzene	mg/L	0.001	90.2	0.46	<0.001
Toluene	mg/L	0.001	90.9	0.69	<0.001
Ethylbenzene	mg/L	0.001	91.0	0.62	<0.001
Bromobenzene	mg/L	0.001	90.2	0.46	<0.001
m-xylene	mg/L	0.001	92.8	1.56	<0.001
Styrene	mg/L	0.001	92.8	1.56	<0.001
o-xylene	mg/L	0.001	92.8	1.56	<0.001
Dalapon	mg/L	0.000001	93.2	4.12	<0.000001
Oxamyl (Wydate)	mg/L	0.002	101	1.21	<0.002
Simazine	mg/L	0.007	92.0	4.83	<0.007
Picloram	mg/L	0.00007	96.0	2.41	<0.00007
Dinoseb	mg/L	0.00001	91.3	5.27	<0.00001
Aldicarb sulfoxide	mg/L	0.002	104	3.69	<0.002
Aldicarb sulfone	mg/L	0.002	105	4.69	<0.002
Metolachlor	mg/L	0.0005	92.4	4.57	<0.0005

Data Release Authorization

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Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

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CHEMICAL
LABORATORIES
INCORPORATED

Received From: S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991
PD Number: Fountains
PD Number WC49-20-24
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL#2
Date Received:

Dec 8 1990

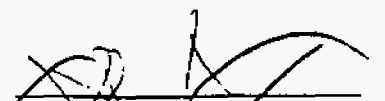
Lab Number : 15852

REPORT OF ANALYSIS

					15852
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Carbofuran	mg/L	0.001	106	5.07	<0.001
Aldicarb	mg/L	0.002	102	1.39	<0.002
Atrazine	mg/L	0.002	98.7	0.79	<0.002
Alachlor (Lasso)	mg/L	0.0002	105	2.91	<0.0002
Heptachlor	mg/L	0.000005	90.8	5.63	<0.000005
Aldrin	mg/L	0.00007	109	5.17	<0.00007
Dieldrin	mg/L	0.00001	107	4.21	<0.00001
Dicamba	mg/L	0.00001	99.7	0.15	<0.00001
Chlordane	mg/L	0.00001	99.8	0.58	<0.00001
Pentachlorophenol	mg/L	0.005	106	3.80	<0.005
Hexachlorocyclopenta	mg/L	0.001	93.8	3.73	<0.001
Dioxin	mg/L	0.00001	102	2.88	<0.00001
Isophorone	mg/L	0.001	102	1.94	<0.001
2,4-dinitrotoluene	mg/L	0.001	94.9	3.69	<0.001
Dimethylphthalate	mg/L	0.001	93.3	4.97	<0.001
Diethylphthalate	mg/L	0.001	102	1.55	<0.001
Dien-butylphthalate	mg/L	0.001	106	3.80	<0.001
Butyl benzyl phthala	mg/L	0.001	106	3.80	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	106	3.90	<0.001
1,2,4-trichlorobenze	mg/L	0.001	106	3.80	<0.001
PCB-1016	mg/L	0.0001	103	1.91	<0.0001
PCB-1221	mg/L	0.0001	101	2.03	<0.0001
PCB-1232	mg/L	0.0001	102	1.52	<0.0001
PCB-1242	mg/L	0.0001	104	2.46	<0.0001
PCB-1248	mg/L	0.0001	99.5	1.48	<0.0001
PCB-1254	mg/L	0.0001	101	1.36	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 10 of 12

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CHEMICAL
LABORATORIES
INCORPORATED

Received From:

S.S.U.
1000 Color Place
Apopka, FL 32703

Date Reported: Jan 9 1991

PO Number: Fountains

PO Number WC49-20-24

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL#2

Date Received:

Dec 8 1990

Lab Number : 15852

REPORT OF ANALYSIS

					15852
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB-1260	mg/L	0.0001	98.1	1.60	<0.0001
Diethylphthalate	mg/L	0.001	102	1.55	<0.001
2-chlorophenol	mg/L	0.001	92.2	5.72	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	102	1.55	<0.001
Phenol	mg/L	0.001	98.0	1.41	<0.001
2,4,6-trichloropheno	mg/L	0.001	102	1.55	<0.001

Data Release Authorization

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Jefferson S. Flowers, Ph.D.
Technical Director

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____

Public Water System Name: Fountains

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☒; Inorganic ☒; Trihalomethane ☒;

Volatile Organic ☒; Organic Chemical ☒; Secondary Chemical ☒; Radiological ☒;

Unregulated Organic Purgeable ☒; Unregulated Organic Pesticide ☒;

Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;

Subcontracted Lab Certification Number For Radiological Parameters: HRS13188

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 15852

Sample Location (be specific): _____

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☒ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: Sam Sparks

ANALYSIS INFORMATION

Extraction Date: 1/4/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name

Dr. Jefferson S. Flowers

Title

Technical Director

Laboratory

Flowers Chemical Laboratories, Inc.

Date

1/8/91

Mail Results to the

Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01

Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	15852	1	0.35	EPA180.1	0.05	12/27/90

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	15852	0.05	<0.001	EPA206.3	0.0005	12/24/90
1010	Barium	15852	1	<0.1	EPA208.1	0.01	12/31/90
1015	Cadmium	15852	0.01	<0.001	EPA213.1	0.001	12/19/90
1020	Chromium	15852	0.05	<0.005	EPA218.1	0.005	12/19/90
1025	Fluoride	15852	4	0.108	EPA340.1	0.05	12/27/90
1030	Lead	15852	0.05	<0.01	EPA239.1	0.01	12/28/90
1035	Mercury	15852	0.002	<0.0002	EPA245.1	0.0002	12/20/90
1040	Nitrate(as N)	15852	10	0.03	EPA353.1	0.01	12-31-90
1045	Selenium	15852	0.01	0.010	EPA270.3	0.0005	12/31/90
1050	Silver	15852	0.05	<0.005	EPA272.1	0.005	12/19/90
1052	Sodium	15852	160	3.00	EPA273.1	0.002	12/19/90

Comments:

Trihalomethane Analysis
17-550.310(2)(c)
(PWS027)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2950	TTHM	15852	0.10	<0.001	EPA502.2	0.001	1/2/91

Comments:

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	15852	.00002	<.000005	EPA504.1	.000005	1/3/91
2969	Para-dichlorobenzene	15852	.075	<0.001	EPA502.2	0.001	1/2/91
2976	Vinyl chloride	15852	0.001	<0.001	EPA502.2	0.001	1/2/91
2977	1,1-dichloroethene	15852	0.007	<0.001	EPA502.2	0.001	1/2/91
2980	1,2-dichloroethane	15852	0.003	<0.001	EPA502.2	0.001	1/2/91
2981	1,1,1-trichloroethane	15852	0.2	<0.001	EPA502.2	0.001	1/2/91
2982	Carbon tetrachloride	15852	0.003	<0.001	EPA502.2	0.001	1/2/91
2984	Trichloroethene	15852	0.003	<0.001	EPA502.2	0.001	1/2/91
2987	Tetrachloroethene	15852	0.003	<0.001	EPA502.2	0.001	1/2/91
2990	Benzene	15852	0.001	<0.001	EPA502.2	0.001	1/2/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	15852	0.0002	<.000001	EPA508	.000001	1/4/91
2010	Lindane	15852	0.004	<.000001	EPA508	.000001	1/4/91
2015	Methoxychlor	15852	0.1	<0.00001	EPA508	0.00001	1/4/91
2020	Toxaphene	15852	0.005	<0.0001	EPA508	0.0001	1/4/91
2105	2,4-D	15852	0.1	<0.00005	EPA515	0.00005	1/8/91
2110	2,4,5-TP (Silvex)	15852	0.01	<0.00002	EPA515	0.00002	1/8/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	15852		40.8	EPA215.1	0.1	12/27/90
1017	Chloride	15852	250	6.0	EPA300.0	0.015	12-27-90
1019	Carbonate CaCO3	15852		129.1	SM314A	0.1	
1021	Hydroxide CaCO3	15852		0.0	SM406C	0.1	
1022	Copper	15852	1	<0.005	EPA220.1	0.005	12/21/90
1023	Bicarbonate CaCO3	15852		128.7	SM406C	0.1	
1026	Carbonate Alkalinity	15852		0.4	SM406C	0.1	
1027	Hydrogen Sulfide	15852		0.7	EPA376.1	0.5	1/4/91
1028	Iron	15852	0.3	0.285	EPA236.1	0.01	12/27/90
1031	Magnesium	15852		6.60	EPA242.1	0.01	12/27/90
1032	Manganese	15852	0.05	0.006	EPA243.1	0.005	12/28/90
1055	Sulfate	15852	250	71.6	EPA300.0	0.200	12/19/90
1095	Zinc	15852	5	0.008	EPA289.1	0.001	12/21/90
1901	Carbon Dioxide	15852		8.3	SM406C	0.1	
1905	Color	15852	15	10	EPA110.1	5	12/28/90
1915	Total Hardness	15852		129.1	SM314A	0.1	
1917	NCH as CaCO3	15852		<0.1	SM314A	0.1	
1920	Odor(TON)	15852	3	2	EPA140.1	1	12/28/90
1924	Field pH	15852	6.5-8.5	-	EPA150.1	0.01	
1925	Lab pH	15852	6.5-8.5	7.494	EPA150.1	0.01	12/24/90
1927	Alkalinity	15852		129.1	EPA310.1	0.1	12/21/90
1930	TDS	15852	500	151.4	EPA160.1	2.5	12/21/90
1996	Temperature	15852		25	-		1
1997	Langelier Index	15852	-0.2:+0.2	-0.23	SM203	0.01	
1998	Saturation Index	15852		7.72	SM203	0.01	
1999	Stability Index	15852		7.95	SM203	0.01	
2909	Foaming Agents	15852	0.5	<0.1	EPA425.1	0.1	12/31/90
	Field Chlorine	15852		-	-	0.1	

Comments:

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter	Sample	MCL	Analysis	Analytical	Det.Limit	Analysis
-----------	--------	-----	----------	------------	-----------	----------

ID	Name	Number	Value	Result(pCi/L)	Method	Used	Date
4000	Gross alpha incl. Ra & U	15852	5	<1	EPA900	1	12/31/90

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	15852		<0.001	EPA502.2	0.001	1/2/91
2212	Dichlorodifluoromethane	15852		<0.001	EPA502.2	0.001	1/2/91
2214	Bromomethane	15852		<0.001	EPA502.2	0.001	1/2/91
2216	Chloroethane	15852		<0.001	EPA502.2	0.001	1/2/91
2218	Trichlorofluoromethane	15852		<0.001	EPA502.2	0.001	1/2/91
2224	trans-1,3,-dichloropropene	15852		<0.001	EPA502.2	0.001	1/2/91
2228	cis-1,3-dichloropropene	15852		<0.001	EPA502.2	0.001	1/2/91
2251	Methyl-tert-butylether	15852		<0.001	EPA502.2	0.001	1/2/91
2380	cis-1,2-dichloroethene	15852		<0.001	EPA502.2	0.001	1/2/91
2408	Dibromomethane	15852		<0.001	EPA502.2	0.001	1/2/91
2410	1,1-dichloropropene	15852		<0.001	EPA502.2	0.001	1/2/91
2412	1,3-dichloropropane	15852		<0.001	EPA502.2	0.001	1/2/91
2414	1,2,3-trichloropropane	15852		<0.001	EPA502.2	0.001	1/2/91
2416	2,2-dichloropropane	15852		<0.001	EPA502.2	0.001	1/2/91
2931	1,2-dibromo-3-chloropropane	15852		<0.001	EPA502.2	0.001	1/2/91
2941	Chloroform	15852		<0.001	EPA502.2	0.001	1/2/91
2942	Bromoform	15852		<0.001	EPA502.2	0.001	1/2/91
2943	Bromodichloromethane	15852		<0.001	EPA502.2	0.001	1/2/91
2944	Dibromochloromethane	15852		<0.001	EPA502.2	0.001	1/2/91
2962	p-xylene	15852		<0.001	EPA502.2	0.001	1/2/91
2964	Methylene chloride	15852		<0.001	EPA502.2	0.001	1/2/91
2965	o-chlorotoluene	15852		<0.001	EPA502.2	0.001	1/2/91
2966	p-chlorotoluene	15852		<0.001	EPA502.2	0.001	1/2/91
2967	m-dichlorobenzene	15852		<0.001	EPA502.2	0.001	1/2/91
2968	o-dichlorobenzene	15852		<0.001	EPA502.2	0.001	1/2/91
2978	1,1-dichloroethane	15852		<0.001	EPA502.2	0.001	1/2/91
2979	trans-1,2-dichloroethane	15852		<0.001	EPA502.2	0.001	1/2/91
2983	1,2-dichloropropane	15852		<0.001	EPA502.2	0.001	1/2/91
2985	1,1,2-trichloroethane	15852		<0.001	EPA502.2	0.001	1/2/91
2986	1,1,1,2-tetrachloroethane	15852		<0.001	EPA502.2	0.001	1/2/91
2988	1,1,2,2-tetrachloroethane	15852		<0.001	EPA502.2	0.001	1/2/91
2989	Chlorobenzene	15852		<0.001	EPA502.2	0.001	1/2/91
2991	Toluene	15852		<0.001	EPA502.2	0.001	1/2/91
2992	Ethylbenzene	15852		<0.001	EPA502.2	0.001	1/2/91
2993	Bromobenzene	15852		<0.001	EPA502.2	0.001	1/2/91
2995	m-xylene	15852		<0.001	EPA502.2	0.001	1/2/91
2996	Styrene	15852		<0.001	EPA502.2	0.001	1/2/91
2997	o-xylene	15852		<0.001	EPA502.2	0.001	1/2/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
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2031	Dalapon	15852	<0.00001	EPA515	0.00001	1/8/91
2036	Oxamyl (Vydate)	15852	<0.002	EPA531	0.002	1/4/91
2037	Simazine	15852	<0.007	EPA505	0.007	1/8/91
2040	Picloram	15852	<0.00007	EPA515	0.00007	1/8/91
2041	Dinoseb	15852	<0.00001	EPA515	0.00001	1/8/91
2043	Aldicarb sulfoxide	15852	<0.002	EPA531	0.002	1/4/91
2044	Aldicarb sulfone	15852	<0.002	EPA531	0.002	1/4/91
2045	Metolachlor	15852	<0.0005	EPA505	0.0005	1/8/91
2046	Carbofuran	15852	<0.001	EPA531	0.001	1/4/91
2047	Aldicarb	15852	<0.002	EPA531	0.002	1/4/91
2050	Atrazine	15852	<0.002	EPA505	0.002	1/8/91
2051	Alachlor (Lasso)	15852	<0.0002	EPA505	0.0002	1/8/91
2065	Heptachlor	15852	<0.00005	EPA508	0.00005	1/8/91
2356	Aldrin	15852	<0.00007	EPA508	0.00007	1/8/91
2364	Dieldrin	15852	<0.00001	EPA508	0.00001	1/8/91
2440	Dicamba	15852	<0.00001	EPA515	0.00001	1/8/91
2959	Chlordane	15852	<0.00001	EPA508	0.00001	1/8/91
9114	Pentachlorophenol	15852	<0.005	EPA515	0.005	1/7/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	15852		<0.001	EPA812	0.001	1/7/91
2063	Dioxin	15852		<0.00001	EPA813	0.00001	1/4/91
2262	Isophorone	15852		<0.001	EPA809	0.001	1/7/91
2270	2,4-dinitrotoluene	15852		<0.001	EPA809	0.001	1/7/91
2282	Dimethylphthalate	15852		<0.001	EPA806	0.001	1/7/91
2284	Diethylphthalate	15852		<0.001	EPA806	0.001	1/7/91
2290	Di-n-butylphthalate	15852		<0.001	EPA806	0.001	1/7/91
2294	Butyl benzyl phthalate	15852		<0.001	EPA806	0.001	1/7/91
2298	Bis(2-ethylhexyl)phthalate	15852		<0.001	EPA806	0.001	1/7/91
2378	1,2,4-trichlorobenzene	15852		<0.001	EPA812	0.001	1/7/91
2388	PCB-1016	15852		<0.0001	EPA505	0.0001	1/4/91
2390	PCB-1221	15852		<0.0001	EPA505	0.0001	1/4/91
2392	PCB-1232	15852		<0.0001	EPA505	0.0001	1/4/91
2394	PCB-1242	15852		<0.0001	EPA505	0.0001	1/4/91
2396	PCB-1248	15852		<0.0001	EPA505	0.0001	1/4/91
2398	PCB-1254	15852		<0.0001	EPA505	0.0001	1/4/91
2400	PCB-1260	15852		<0.0001	EPA505	0.0001	1/4/91
9089	Diethylphthalate	15852		<0.001	EPA806	0.001	1/7/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	15852		<0.001	EPA604	0.001	1/7/91
9112	2-methyl-4,6-dinitrophenol	15852		<0.001	EPA604	0.001	1/7/91
9115	Phenol	15852		<0.001	EPA604	0.001	1/7/91
9116	2,4,6-trichlorophenol	15852		<0.001	EPA604	0.001	1/7/91



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 22, 1991

Joseph M. McNamara
P.E. Manager
Drinking Water Permitting
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Fountains at Pleasant Hill, Oseola County
PWS ID #3494328

Dear Mr. McNamara,

This letter is in reference to your March 27, 1991 letter approving the above referenced facility for service.

In reference to the exception of well #1 requiring three (3) satisfactory rechecks for selenium, please find enclosed three (3) satisfactory analysis to comply with this requirement.

Your continuing assistance in getting this facility operational is very much appreciated.

Sincerely,

SSU Services


Sam Sparks
Division Supervisor

cc: Charles Sweat
Ralph Terrero
Mel Fisher
Rick Johnson, Russell & Axon
Clara Dozier
File

Serving the customers of the Citrus Springs, DeLtona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard, Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 11 1991

PO Number: 905155

PO Number Fountains
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCCHEC Lab# : 96019

For: 11:00

Date Received:

Apr 4 1991

Lab Number : 16602

REPORT OF ANALYSIS

					16602
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Arsenic	mg/L	0.0005			-
Barium	mg/L	0.01			-
Calcium	mg/L	0.001			-
Chromium	mg/L	0.005			-
Fluoride	mg/L	0.05			-
Lead	mg/L	0.001			-
Mercury	mg/L	0.0002			-
Nitrate as N	mg/L	0.01			-
Selenium	mg/L	0.0005	24.2	7.25	<0.0005
Silver	mg/L	0.005			-
Sodium	mg/L	0.002			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FDL 2A and EPA approved methodology.


S. Flowers, Ph.D.
Technical Director

Page 1 of 3

Johnnie L. Flowers, Ph.D.
Johnnie L. Flowers, Ph.D.
481 NEWBERRYPORT
P.O. BOX 180-597
ALBUQUERQUE 87102-0597
FLORIDA 32715-0897
TEL: (407) 336-9984
FAX: (407) 260-6110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 11 1991

PO Number: 905155

PO Number Fountains
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEMR Lab# : 296
SCDHEC Lab# : 94019

For: 1100

Date Received:

Apr 4 1991

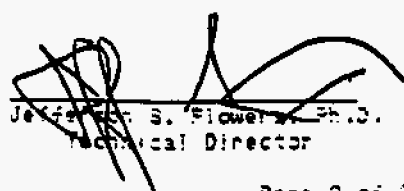
Lab Number : 16603

REPORT OF ANALYSIS

					16603
Parameter	Unit	Method	%ACC	%PREC	
		Detection Limit			
Arsenic	mg/L	0.0005			-
Barium	mg/L	0.01			-
Cadmium	mg/L	0.001			-
Chromium	mg/L	0.005			-
Fluoride	mg/L	0.05			-
Lead	mg/L	0.001			-
Mercury	mg/L	0.0002			-
Nitrate as N	mg/L	0.01			-
Selenium	mg/L	0.0005	94.3	7.25	0.0005
Silver	mg/L	0.005			-
Sodium	mg/L	0.002			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jeffrey S. Flowers, Ph.D.
Technical Director

Page 2 of 3

Jeffrey S. Flowers, Ph.D.
Jeffrey S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALPHARETTA SPRINGS
FLORIDA 32715-0597
TEL: (407) 338-0984
FAX: (407) 280-6110

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 11 1991

PO Number: 905155

PO Number Fountains

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHR Lab# : 296

SCDHEC Lab# : 96019

PO# : 1000

Date Received:

Apr 4 1991

Lab Number : 16604

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16604
Arsenic	mg/L	0.0005			-
Barium	mg/L	0.01			-
Cadmium	mg/L	0.001			-
Chromium	mg/L	0.005			-
Fluoride	mg/L	0.05			-
Lead	mg/L	0.001			-
Mercury	mg/L	0.0002			-
Nitrate as N	mg/L	0.01			-
Selenium	mg/L	0.0005	94.2	7.25	<0.0005
Silver	mg/L	0.005			-
Sodium	mg/L	0.002			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

William B. Flowers, Ph.D.
Technical Director

Page 3 of 3

William B. Flowers, Ph.D.
Jeffrey L. Flowers, Ph.D.
401 NEWSPAPERPORT
P.O. BOX 150-597
ALBANY, FLORIDA 32715-0597
TEL: (407) 339-0984
FAX: (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3494328
Public Water System Name: Fountain at Pleasant Hill
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☒; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MM/DD/YY):
Laboratory Sample Number: 16602
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: / /
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check one) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature:

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/10/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	16602	0.05		EPA208.3	0.0005	
1010	Barium	16602	1		EPA208.1	0.01	
1015	Cadmium	16602	0.01		EPA213.1	0.001	
1020	Chromium	16602	0.05		EPA218.1	0.005	
1025	Fluoride	16602	4		EPA340.1	0.05	
1030	Lead	16602	0.05		EPA239.2	0.001	
1035	Mercury	16602	0.002		EPA245.1	0.0002	
1040	Nitrate(as N)	16602	10		EPA353.1	0.01	
1045	Selenium	16602	0.01	<0.0005	EPA270.3	0.0005	4/10/91
1050	Silver	16602	0.05		EPA272.1	0.005	
1052	Sodium	16602	160		EPA273.1	0.002	

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3494328

Public Water System Name Forstman

Public Water System Type (check one):

☐ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic X ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number 16603

Sample Location (be specific): Well #1

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☒ Well

☒ Resample

☐ Special

Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date / /

Laboratory Contact Dr. J.S. Flowers

Resample Requested? (check) ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name Dr. Jefferson S. Flowers

Mail Results to the
Appropriate DER or ACPHU Office: _____

Title Technical Director

Laboratory Flowers Chemical Laboratories, Inc.

Date 4/10/91

DER /ACPHU Reviewing Official: _____

PWSA.01 Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	16603	0.05		EPA208.3	0.0005	
1010	Barium	16603	1		EPA208.1	0.01	
1015	Cadmium	16603	0.01		EPA213.1	0.001	
1020	Chromium	16603	0.05		EPA218.1	0.005	
1025	Fluoride	16603	4		EPA340.1	0.05	
1030	Lead	16603	0.05		EPA239.2	0.001	
1035	Mercury	16603	0.002		EPA245.1	0.0002	
1040	Nitrate(as N)	16603	10		EPA353.1	0.01	
1045	Selenium	16603	0.01	<0.0005	EPA270.3	0.0005	4/10/91
1050	Silver	16603	0.05		EPA272.1	0.005	
1052	Sodium	16603	160		EPA273.1	0.002	

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3494328
Public Water System Name: Pearsons
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☒; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

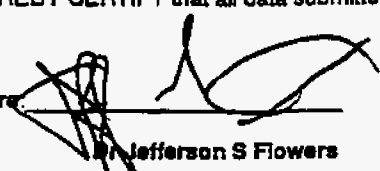
SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 16604 well #1
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composit
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☒ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: / /
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check) Yes ☐ No ☒
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/10/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	16604	0.05		EPA206.3	0.0005	
1010	Barium	16604	1		EPA208.1	0.01	
1015	Cadmium	16604	0.01		EPA213.1	0.001	
1020	Chromium	16604	0.05		EPA218.1	0.005	
1025	Fluoride	16604	4		EPA340.1	0.05	
1030	Lead	16604	0.05		EPA239.2	0.001	
1035	Mercury	16604	0.002		EPA245.1	0.0002	
1040	Nitrate(as N)	16604	10		EPA353.1	0.01	
1045	Selenium	16604	0.01	<0.0005	EPA270.3	0.0005	4/10/91
1050	Silver	16604	0.05		EPA272.1	0.005	
1052	Sodium	16604	160		EPA273.1	0.002	

Comments:

JEFFERSON L. FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client SSU
Address 1000 Color Place
Apopka, FL 32703
Phone 880-0100

FCL Client No. S033
FCL Project Manager LAURE SEBACK F.D. Number
FCL Lab Coordinator Steve Welsh Project Name / No. Fountains # 90511
Requested Due Date: _____ Contact Sam Sparks SSU

Sampled By (PRINT): Richard Ehl
Sampler Signature Richard Ehl Date Sampled 4/1, 4/3, 4/4

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST									
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl										
1	#1 WELL FOUNTAINS	4/1	1200	16602						See									
2	#1 WELL FOUNTAINS	4/3	1200	16603															
3	#1 WELL FOUNTAINS	4/4	7304	16604															
4																			
5																			
6																			

CARRIER	BALANCE	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
				<u>L. Seback</u>	<u>3/26/91</u>	<u>2:21pm</u>			
SPECIAL INSTRUCTIONS				<u>Richard Ehl</u>	<u>4/4/91</u>	<u>8:20am</u>	<u>William Lencel</u>	<u>4/4/91</u>	<u>8:00</u>
							<u>B. Guletsky / FLOWERS</u>	<u>4/4/91</u>	<u>11:15</u>

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

0206



Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 4, 1992

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

OCD-PW-CE-92-0213

Attention: Charles Sweat

Osceola County - FW
The Fountains at Pleasant Hill
PWS ID Number 3494328

Dear Mr. Sweat:

As the owner of a community water supply system, you are required to submit chemical samples to a certified laboratory at three-year intervals and report the results to this office. According to our records, the analysis results for the following parameters were due by the date indicated below:

Parameter:

Date:

Volatile organics - Each well
(4 consecutive quarters)

3/31/91

Samples shall be collected and submitted to an approved laboratory and this Department notified of the date of submittal and laboratory name no later than fourteen (14) days from the date of this letter or this matter will be referred for appropriate enforcement action. You must submit a copy of the laboratory results to this office upon your receipt of such from the laboratory.

If you have any questions, please call Ms. Marie Carrasquillo at 407/894-7555.

Sincerely,

W.B. Darling, Monitoring Supervisor
Drinking Water Compliance/Enforcement

MC
WED:mc/mlk

cc: Osceola County Health Department

Revised  1/1/92

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

FOR LAB USE ONLY

K. Blakerey
12-19-91 4:10 pm

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Fontaine SYSTEM I.D. NO: 3494328 SYSTEM PHONE #: 880-0058
ADDRESS: 2000 Color Place Apopka FL COUNTY: Dough DISTRICT: A3
COLLECTOR: John Coffee COLLECTOR PHONE #: 880-0058
SAMPLE SITE (Locality or Subdivision): Water Plant
DATE AND TIME COLLECTED: 12/19/91 2:00 p.m.
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other (Specify)
(Check Box) (Check Box) (Check Box) (Check Box) (Check Box)
() Distribution () TNTC or () Turbid () Too numerous to count
() Raw ()

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	pH	ANALYSIS METHOD	MP	NTF	MPQ-MUG	PA
				SAMPLE NUMBER	COLIFORM	TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	Well #2	0	2.1	2449	0	A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present
A - Coliforms are absent

C - Confluent growth
TNTC - Too numerous to count

TA - Turbid, Absence of gas or acid

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU Service
1000 Color Place
Apopka FL
32703

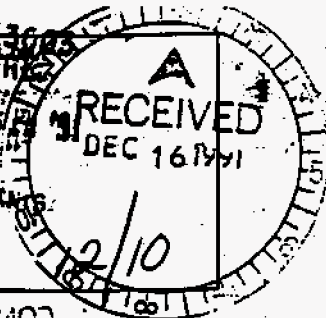
- () SATISFACTORY
() INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES

REVIEWING OFFICIAL: _____

TITLE: _____

HRS Form 001, Jan 91 (Obsolete previous editions which may not be used) (Stock Number 5740-001-001-1)

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231



DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Fountains SYSTEM I.D. NO: 3494328 SYSTEM PHONE #: None
ADDRESS: W/O 1000 Colaplace COUNTY: Alachua DISTRICT: 03
COLLECTOR: Bill T. COLLECTOR PHONE #: None
SAMPLE SITE (Locality or Subdivision): Fountains
DATE AND TIME COLLECTED: 12/9 1:00
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other
(Check Box) (Check Box) (Check Box) (Check Box) (Specify)
1 Distribution 1 TBT or C 1 Turbid
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CI RES'D	PS	ANALYSIS METHOD: MP	MTF	MPD-MUG	PA	
1	Well 1	-	74	05246	TA			
2	Well 2	-	74	05246	TA			
3	3705 Oak Pointe	08	74					
4	3951 Santa Barbara	10	74	05246	TA			

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.
P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TBT - Too numerous to count

RECOMMENDED 12/19 (take 12/19)
NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT
SSU Services
1000 Colaplace
Apopka FL 32703
REVIEWING OFFICIAL: Bill T.
TITLE: Bill T.

Fox Run - 679

Martin County (SSU)

Water

- 1992 FPSC Filing -

Fox Run

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	8/90
Organic	8/90
Volatile Organic Chemicals	2/91
	5/91
	9/91
	12/91
Turbidity	12/91
Microbiological	12/91
Radionuclide	9/90
Secondary Contaminants	8/90
Unregulated Contaminants	8/90



ORLANDO LABORATORIES

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 93-08-226
Date Received: 08/16/90
Date Reported: 08/31/90
OLI Contact: E_HOBBS

Work ID: Fox Run
Total Samples: 5

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Well
02 P.O.E. Pressure Tank
03 DIST Lift Station #1
04 Trip Blank
05 Method Blank

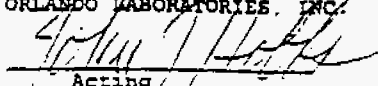
TEST CODES and NAMES used on this report
PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS034 Unreg-Organic Purgeable
PWS035 Unreg-Organic Pesticides
PWS036 Unreg-Base Neutral Extract
PWS037 Unreg-Acid Extractable

Copy of results to:

Southern States Utilities
Attn: Mel Fisher
1790 NE 24th Street
Jensen Beach, FL 34957

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID Well
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analysis Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002	U EPA 504	0.00002	08/18/90
2969 Para-dichlorobenzene			0.0005	U EPA 524	0.0005	08/17/90
2976 Vinyl Chloride			0.0005	U EPA 524	0.0005	08/17/90
2977 1,1-Dichloroethane			0.0005	U EPA 524	0.0005	08/17/90
2980 1,2-Dichloroethane			0.0005	U EPA 524	0.0005	08/17/90
2981 1,1,1-trichloroethane			0.0005	U EPA 524	0.0005	08/17/90
2982 Carbon Tetrachloride			0.0005	U EPA 524	0.0005	08/17/90
2984 Trichloroethene			0.0005	U EPA 524	0.0005	08/17/90
2987 Tetrachloroethene			0.0005	U EPA 524	0.0005	08/17/90
2990 Benzene			0.0005	U EPA 524	0.0005	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID Well
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Organic Chemical Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310 (2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	08/21/90
2010 Lindane			0.00005 U	EPA 608	0.00005	08/21/90
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	08/21/90
2020 Toxaphene			0.00100 U	EPA 608	0.00100	08/21/90
2105 2,4-D			0.0020 U	EPA 615	0.0020	08/21/90
2110 2,4,5-TP (Silvex)			0.0010 U	EPA 615	0.0010	08/21/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Page 4
Work Order # 90-08-226

SAMPLE ID Well
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)		Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane			0.00050	U	EPA 524	0.00050	08/17/90
2212 Dichlorodifluoro methane			0.00050	U	EPA 524	0.00050	08/17/90
2214 Bromomethane			0.00050	U	EPA 524	0.00050	08/17/90
2216 Chloroethane			0.00050	U	EPA 524	0.00050	08/17/90
2218 Trichlorofluoro methane			0.00050	U	EPA 524	0.00050	08/17/90
2224 trans-1,3-Dichloro propene			0.00050	U	EPA 524	0.00050	08/17/90
2228 cis-1,3-Dichloro propene			0.00050	U	EPA 524	0.00050	08/17/90
2251 Methyl tert-butyl ether			0.00050	U	EPA 524	0.00050	08/17/90
2380 cis-1,2-Dichloro ethene			0.00050	U	EPA 524	0.00050	08/17/90
2408 Dibromomethane			0.00050	U	EPA 524	0.00050	08/17/90
2410 1,1-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2412 1,3-Dichloropropane			0.00050	U	EPA 524	0.00050	08/17/90
2414 1,2,3-Trichloro propane			0.00050	U	EPA 524	0.00050	08/17/90
2416 2,2-Dichloropropane			0.00050	U	EPA 524	0.00050	08/17/90
2931 1,2-dibromo-3-chloro propane			0.00020	U	EPA 504	0.00020	08/18/90
2941 Chloroform			0.00050	U	EPA 524	0.00050	08/17/90
2942 Bromoform			0.00050	U	EPA 524	0.00050	08/17/90
2943 Bromodichloro methane			0.00050	U	EPA 524	0.00050	08/17/90

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226
Continued From Above

SAMPLE ID Well
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloro methane	0.00050	U	EPA 524	0.00050	08/17/90
2962 para-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
2964 Methylene Chloride	0.00050	U	EPA 524	0.00050	08/17/90
2965 o-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
2966 p-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
2967 meta-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2968 o-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2978 1,1-Dichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2979 trans-1,2-Dichloro ethane	0.00050	U	EPA 524	0.00050	08/17/90
2983 1,2-Dichloropropane	0.00050	U	EPA 524	0.00050	08/17/90
2985 1,1,2-Trichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2986 1,1,1,2-Tetrachloro ethane	0.00050	U	EPA 524	0.00050	08/17/90
2988 1,1,2,2-Tetrachloro ethane	0.00050	U	EPA 524	0.00050	08/17/90
2989 Chlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2991 Toluene	0.00050	U	EPA 524	0.00050	08/17/90
2992 Ethylbenzene	0.00050	U	EPA 524	0.00050	08/17/90
2993 Bromobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2995 meta-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
2996 Styrene	0.00050	U	EPA 524	0.00050	08/17/90
2997 ortho Xylene	0.00050	U	EPA 524	0.00050	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID Well
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Unreg-Organic Pesticides

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.411.2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	08/21/90
2036 Oxanil (Vocate)			0.00200 U	EPA 531	0.00200	08/21/90
2037 Simazine			0.00005 U	EPA 622	0.00005	08/21/90
2040 Picloran			0.00100 U	EPA 615	0.00100	08/21/90
2041 Dinoseb			0.00200 U	EPA 615	0.00200	08/21/90
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	08/21/90
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	08/21/90
2045 Metolachlor			0.00005 U	EPA 622	0.00005	08/21/90
2046 Carbofuran			0.00150 U	EPA 531	0.00150	08/21/90
2047 Aldicarb			0.00100 U	EPA 531	0.00100	08/21/90
2050 Atrazine			0.00005 U	EPA 622	0.00005	08/21/90
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	08/21/90
2065 Heptachlor			0.00005 U	EPA 608	0.00005	08/21/90
2356 Aldrin			0.00005 U	EPA 608	0.00005	08/21/90
2364 Dieldrin			0.00010 U	EPA 608	0.00010	08/21/90
2440 Dicamba			0.00200 U	EPA 615	0.00200	08/21/90
2959 Chlordane			0.00050 U	EPA 608	0.00050	08/21/90
2326 Pentachlorophenol			0.05000 U	EPA 625	0.05000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/15/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID Well
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	U	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclopentadiene			0.01000	U	EPA 625	0.01000	08/20/90
2063 Dioxin			0.01000	U	EPA 625	0.01000	08/20/90
2262 Isophorone			0.01000	U	EPA 625	0.01000	08/20/90
2270 2,4-dinitrotoluene			0.01000	U	EPA 625	0.01000	08/20/90
2282 Dimethylphthalate			0.01000	U	EPA 625	0.01000	08/20/90
2284 Diethylphthalate			0.01000	U	EPA 625	0.01000	08/20/90
2290 Dibutylphthalate			0.01000	U	EPA 625	0.01000	08/20/90
2294 Butyl benzyl phthalate			0.01000	U	EPA 625	0.01000	08/20/90
2298 Bis(2-ethylhexyl) phthalate			0.01000	U	EPA 625	0.01000	08/20/90
2378 1,2,4-trichloro benzene			0.01000	U	EPA 625	0.01000	08/20/90
2388 PCB-1015			0.00050	U	EPA 608	0.00050	08/20/90
2390 PCB-1221			0.00050	U	EPA 608	0.00050	08/20/90
2392 PCB-1232			0.00050	U	EPA 608	0.00050	08/20/90
2394 PCB-1242			0.00050	U	EPA 608	0.00050	08/20/90
2395 PCB-1248			0.00050	U	EPA 608	0.00050	08/20/90
2398 PCB-1254			0.00100	U	EPA 608	0.00100	08/20/90
2400 PCB-1260			0.00100	U	EPA 608	0.00100	08/20/90
9089 Dioctylphthalate			0.01000	U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Page 6
Work Order # 90-08-226

SAMPLE ID Well
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Unreg-Acid Extractable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
9106 2-chlorophenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9112 2-methyl-4,6-dinitro phenol	_____	_____	0.05000	U	EPA 625	0.05000	08/20/90
9115 Phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9116 2,4,6-trichloro- phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Turbidity Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS026

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result (NTU)	Analytical Analysis Method Date
0100 Turbidity			51.0	EPA 180.1 08/18/90

Comments:

IRLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Inorganic Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-SS0.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			NOT ANALYZED	EPA 206.2	0.010	-----
1010 Barium			NOT ANALYZED	EPA 200.7	0.100	-----
1015 Cadmium			NOT ANALYZED	EPA 213.2	0.005	-----
1020 Chromium			NOT ANALYZED	EPA 218.2	0.010	-----
1025 Fluoride			NOT ANALYZED	EPA 340.2	0.1	-----
1030 Lead			NOT ANALYZED	EPA 239.2	0.010	-----
1035 Mercury			NOT ANALYZED	EPA 245.2	0.0005	-----
1040 Nitrate (as N)			NOT ANALYZED	EPA 352.2	0.02	-----
1045 Selenium			NOT ANALYZED	EPA 270.2	0.005	-----
1050 Silver			NOT ANALYZED	EPA 272.2	0.010	-----
1052 Sodium			19.0	EPA 200.7	0.001	28.24/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			96.0	EPA 200.7	0.1	08/24/90
1017 Chloride			39	SM 407	1.0	08/21/90
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	08/24/90
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			NOT ANALYZED			
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			0.190	EPA 200.7	0.100	08/24/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	08/24/90
1055 Sulfate			<1.0	EPA 375.4	1.0	08/21/90
1095 Zinc			0.052	EPA 200.7	0.050	08/24/90
1901 Carbon Dioxide			13	SM 406 C	1.0	08/20/90
1905 Color (color units)			5.0	EPA 270.2	5 PCU	08/18/90
1915 Total Hardness			245.0	EPA 200.7	0.050	08/24/90
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			1.0	EPA 140.1	1	08/18/90
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			7.52	EPA 150.1	N/A	08/18/90
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226
Continued From Above

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			240	EPA 310.1	2.0	08/18/90
1930 TDS			330	EPA 160.1	1.0	08/21/90
1931 Phenolphthalein ALK.			<2.0	EPA 310.1	2.0	08/18/90
1996 Field Temp. (C)			NOT ANALYZED			
1997 Langlier Index pHs			7.1	CALC	N/A	08/28/90
1998 Saturation Index			0.43	CALC	N/A	08/28/90
1999 Stability Index			6.7	CALC	N/A	08/28/90
2909 Foaming Agents			<0.10	EPA 425.1	0.1	08/18/90
9996 Field DC			NOT ANALYZED			
9997 Field Chlorine			NOT ANALYZED			

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID DIST Lift Station #1
DATE COLLECTED 08/15/90 15:00:00
TEST NAME Inorganic Analysis

SAMPLE# 03A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	08/24/90
1010 Barium			<0.100	EPA 200.7	0.100	08/24/90
1015 Cadmium			<0.005	EPA 212.2	0.005	08/24/90
1020 Chromium			<0.010	EPA 218.2	0.010	08/29/90
1025 Fluoride			<0.10	EPA 340.2	0.1	08/21/90
1030 Lead			<0.010	EPA 239.2	0.010	08/26/90
1035 Mercury			<0.0005	EPA 245.1	0.0005	08/22/90
1040 Nitrate (as N)			<0.03	EPA 352.2	0.03	
1045 Selenium			<0.005	EPA 270.2	0.005	08/23/90
1050 Silver			<0.010	EPA 272.2	0.010	08/28/90
1052 Sodium			NOT ANALYZED	EPA 200.7	0.001	-----

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 05A
MATRIX METHOD BLA
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	08/18/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	08/17/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	08/17/90
2977 1,1-Dichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	08/17/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	08/17/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	08/17/90
2990 Benzene			0.0005 U	EPA 524	0.0005	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 50-06-226

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 05A
MATRIX METHOD BLA
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-350.310 (2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	08/21/90
2010 Lindane			0.00005 U	EPA 608	0.00005	08/21/90
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	08/21/90
2020 Toxaphene			0.00100 U	EPA 608	0.00100	08/21/90
2105 2,4-D			0.0020 U	EPA 615	0.0020	08/21/90
2110 2,4,5-TP (Silvex)			0.0010 U	EPA 615	0.0010	08/21/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane			0.00050 U	EPA 524	0.00050	08/17/90
2212 Dichlorodifluoro methane			0.00050 U	EPA 524	0.00050	08/17/90
2214 Bromomethane			0.00050 U	EPA 524	0.00050	08/17/90
2216 Chloroethane			0.00050 U	EPA 524	0.00050	08/17/90
2218 Trichlorofluoro methane			0.00050 U	EPA 524	0.00050	08/17/90
2224 trans-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	08/17/90
2228 cis-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	08/17/90
2251 Methyl tert-butyl ether			0.00050 U	EPA 524	0.00050	08/17/90
2380 cis-1,2-Dichloro ethane			0.00050 U	EPA 524	0.00050	08/17/90
2408 Dibromomethane			0.00050 U	EPA 524	0.00050	08/17/90
2410 1,1-Dichloropropene			0.00050 U	EPA 524	0.00050	08/17/90
2412 1,3-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
2414 1,2,3-Trichloro propane			0.00050 U	EPA 524	0.00050	08/17/90
2416 2,2-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
2931 1,2-dibromo-3-chloro propane			0.00020 U	EPA 504	0.00020	08/18/90
2941 Chloroform			0.00050 U	EPA 524	0.00050	08/17/90
2942 Bromoform			0.00050 U	EPA 524	0.00050	08/17/90
2943 Bromodichloro methane			0.00050 U	EPA 524	0.00050	08/17/90

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226
Continued From Above

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# OSA
MATRIX METHOD BLK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloroethane	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2962 para-Xylene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2964 Methylene Chloride	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2965 o-Chlorotoluene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2966 p-Chlorotoluene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2967 meta-Dichlorobenzene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2968 o-Dichlorobenzene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2978 1,1-Dichloroethane	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2979 trans-1,2-Dichloroethane	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2983 1,2-Dichloropropane	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2985 1,1,2-Trichloroethane	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2986 1,1,1,2-Tetrachloroethane	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2988 1,1,2,2-Tetrachloroethane	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2989 Chlorobenzene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2991 Toluene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2992 Ethylbenzene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2993 Bromobenzene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2995 meta-Xylene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2996 Styrene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90
2997 ortho Xylene	_____	_____	0.00050 U	EPA 524	0.00050	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Pesticides

SAMPLE# 05A
MATRIX METHOD BL.
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	08/21/90
2036 Oxamyl (Vydate)			0.00200 U	EPA 531	0.00200	08/21/90
2037 Simazine			0.00005 U	EPA 622	0.00005	08/21/90
2040 Pictoran			0.00100 U	EPA 615	0.00100	08/21/90
2041 Dinoseb			0.00200 U	EPA 615	0.00200	08/21/90
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	08/21/90
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	08/21/90
2045 Metolachlor			0.00005 U	EPA 622	0.00005	08/21/90
2046 Carbofuran			0.00150 U	EPA 531	0.00150	08/21/90
2047 Aldicarb			0.00100 U	EPA 531	0.00100	08/21/90
2050 Atrazine			0.00005 U	EPA 622	0.00005	08/21/90
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	08/21/90
2065 Heptachlor			0.00005 U	EPA 608	0.00005	08/21/90
2356 Aldrin			0.00005 U	EPA 608	0.00005	08/21/90
2364 Dieldrin			0.00010 U	EPA 608	0.00010	08/21/90
2440 Dicamba			0.00200 U	EPA 615	0.00200	08/21/90
2959 Chlordane			0.00050 U	EPA 608	0.00050	08/21/90
2326 Pentachlorophenol			0.05000 U	EPA 625	0.05000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 05A
MATRIX METHOD BLA
TEST CODE PHS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PHS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analysis Unit	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclopentadiene			0.01000	U	EPA 625	0.01000	08/20/90
2053 Dioxin			0.01000	U	EPA 625	0.01000	08/20/90
2252 Isophorone			0.01000	U	EPA 625	0.01000	08/20/90
2270 2,4-dinitrotoluene			0.01000	U	EPA 625	0.01000	08/20/90
2282 Dimethylphthalate			0.01000	U	EPA 625	0.01000	08/20/90
2284 Diethylphthalate			0.01000	U	EPA 625	0.01000	08/20/90
2290 Diisobutylphthalate			0.01000	U	EPA 625	0.01000	08/20/90
2294 Butyl benzyl phthalate			0.01000	U	EPA 625	0.01000	08/20/90
2298 Bis(2-ethylhexyl) phthalate			0.01000	U	EPA 625	0.01000	08/20/90
2378 1,2,4-trichloro benzene			0.01000	U	EPA 625	0.01000	08/20/90
2388 PCB-1016			0.00050	U	EPA 608	0.00050	08/20/90
2390 PCB-1221			0.00050	U	EPA 608	0.00050	08/20/90
2392 PCB-1232			0.00050	U	EPA 608	0.00050	08/20/90
2394 PCB-1242			0.00050	U	EPA 608	0.00050	08/20/90
2396 PCB-1248			0.00050	U	EPA 608	0.00050	08/20/90
2398 PCB-1254			0.00100	U	EPA 608	0.00100	08/20/90
2400 PCB-1260			0.00100	U	EPA 608	0.00100	08/20/90
9089 Dioctylphthalate			0.01000	U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-226

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Acid Extractable

SAMPLE# 05A
MATRIX METHOD BLA:
TEST CODE PMS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PMS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9112 2-methyl-4,6-dinitro phenol	_____	_____	0.05000	U	EPA 625	0.05000	08/20/90
9115 Phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9116 2,4,6-trichloro- phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90

Comments:



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU

1790 NE 24th St.
JensenBch, FL 34957

Date Reported: Mar 6 1991

PO Number: 108387

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDEEC Lab# : 96019

For: Comp. Sample

Date Received:

Feb25 1991

Lab Number : 16371

REPORT OF ANALYSIS

					16371
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	107	10.3	<0.000005
Para-dichlorobenzene	mg/L	0.001	90.3	.513	<0.001
Vinyl chloride	mg/L	0.001	118	3.04	<0.001
1,1-dichloroethene	mg/L	0.001	118	3.04	<0.001
1,2-dichloroethane	mg/L	0.001	94.4	.199	<0.001
1,1,1-trichloroethane	mg/L	0.001	97.3	.413	<0.001
Carbon tetrachloride	mg/L	0.001	104	.530	<0.001
Trichloroethene	mg/L	0.001	97.4	.666	<0.001
Tetrachloroethene	mg/L	0.001	96.8	.445	<0.001
Benzene	mg/L	0.001	94.9	2.52	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL 04 and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 2

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32715-0597
TEL: (407) 339-5084
FAX: (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443 0790

Public Water System Name: EPILANI HGTs

Public Water System Type (check one):
☒ Community ☐ Non-community

443-4014

ST LUCIE FALLS

☐ Special Non-community

443-1700

FOX RUN

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
 Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 02/21/91

Laboratory Sample Number: 18371

Sample Location (be specific): WELL HEADS

Sample Type (check all applicable):

- | | | |
|------------------------------------|---|---|
| ☐ Check | ☐ Regular Distribution | ☒ Composite |
| ☐ Clearance | ☐ Maximum Residence Time | ☐ Plant Tap |
| ☐ Raw | ☒ Well | ☐ Resample |
| ☐ Special | | |

Sampler Name, Title Phone: MR. FLORES (334-5584)

ANALYSIS INFORMATION

Extraction Date: 02/21/91

Laboratory Cont. Dr. J.S. Flowers

Resample Requested? (check) Yes ☐ No ☒

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 3/5/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
 Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16371	.00002	<0.000005	EPA504.1	.000005	3/5/91
2969	Para-dichlorobenzene	16371	.075	<0.001	EPA502.2	0.001	3/5/91
2976	Vinyl chloride	16371	0.001	<0.001	EPA502.2	0.001	3/5/91
2977	1,1-dichloroethene	16371	0.007	<0.001	EPA502.2	0.001	3/5/91
2980	1,2-dichloroethane	16371	0.003	<0.001	EPA502.2	0.001	3/5/91
2981	1,1,1-trichloroethane	16371	0.2	<0.001	EPA502.2	0.001	3/5/91
2982	Carbon tetrachloride	16371	0.003	<0.001	EPA502.2	0.001	3/5/91
2984	Trichloroethene	16371	0.003	<0.001	EPA502.2	0.001	3/5/91
2987	Tetrachloroethene	16371	0.003	<0.001	EPA502.2	0.001	3/5/91
2990	Benzene	16371	0.001	<0.001	EPA502.2	0.001	3/5/91

Comments:

FDMA	Lab	00010
PDMA	Lab	00100
NEDE:BNR	Lab	200
SCD:EC	Lab	00010

1/16/81: Mel Fisher - ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-849

[illegible]

2) SAMPLE INFORMATION; SAMPLE DATE: MONTH FEB. DATE 21 YEAR 1991
 SAMPLE TYPE (check all applicable); () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 () raw, (✓) well, () resample _____, () special _____
 SAMPLER'S NAME: Mr. FISHER TITLE: AREA SUPERVISOR PHONE: 407 334 5524
 SAMPLER'S SIGNATURE: Mr. Fisher
 NOTES:

NOTES:

FISHERMAN'S HAVEN WELL
FOX RUN WELL.
LEILANI HEIGHTS WELLS #1 and #2
4 wells?
St. LUCIE FALLS WELLS #2 and #3

1) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trichloromethane; Volatile Organic;
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgable;
Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable;

Q4) Laboratory Number
16371
16372

Q5) Chem Sample Identification
01 G.H.# H2, 37.6 - #12, Fe. Run (pl. comp.)
02 Fisherman's Haven
03
04
05
06
07
08
09
10

Q6) Collector Signature: MLG S. G. W. Date: 3/21/91 Time: 6 PM

Q7) Transporter Signature: MLG S. G. W. 3/22/91 8 AM

Q9) Lab Acceptance By: 3/23/91 10:10

OVER FOR INSTRUCTIONS FOR COMPLETION

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1790 NE 24th St.
JensenBch, FL 34957

Date Reported: Jun 4 1991

PO Number: HOLD REPORT

PO Number Leilani Hghts

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

May31 1991

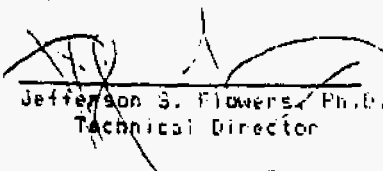
Lab Number : 17019

REPORT OF ANALYSIS

Parameter	Unit	Method	17019	
			%ACC	%PRC
		Detection		
		Limit		
Ethylene dibromide	mg/L	0.000005	95.1	6.83
Para-dichlorobenzene	mg/L	0.001	104	1.994
Vinyl chloride	mg/L	0.001	118	17.9
1,1-dichloroethene	mg/L	0.001	118	17.9
1,2-dichloroethane	mg/L	0.001	104	1.947
1,1,1-trichloroethane	mg/L	0.001	102	1.79
Carbon tetrachloride	mg/L	0.001	86.8	12.0
Trichloroethene	mg/L	0.001	107	2.31
Tetrachloroethene	mg/L	0.001	106	3.07
Benzene	mg/L	0.001	95.5	11.8

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL 69 and FCR approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLANDALE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5084
FAX (407) 260-6110

0236

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700 / 443-0790 / 443-0442
Public Water System Name: FOX RUN / LILLY HOTS / FISHERMAN'S HILL
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

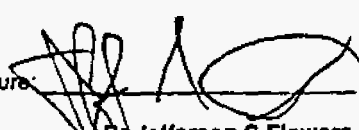
Sample Date (MMDDYY): 5/24/91
Laboratory Sample Number: 17019
Sample Location (be specific): WELL # 17234
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Draw ☐ Well ☐ Resample
☐ Special

Sampler Name, Title Phone: LOWELL T. FLOWERS
407 321 5541

ANALYSIS INFORMATION

Extraction Date: 1/1
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check) Yes ☐ (X) No ☒
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 6/4/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17019	.00002	<.000005	EPA504.1	.000005	6/3/91
2969	Para-dichlorobenzene	17019	.075	<0.001	EPA502.2	0.001	6/3/91
2976	Vinyl chloride	17019	0.001	<0.001	EPA502.2	0.001	6/3/91
2977	1,1-dichloroethene	17019	0.007	<0.001	EPA502.2	0.001	6/3/91
2980	1,2-dichloroethane	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2981	1,1,1-trichloroethane	17019	0.2	<0.001	EPA502.2	0.001	6/3/91
2982	Carbon tetrachloride	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2984	Trichloroethene	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2987	Tetrachloroethene	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2990	Benzene	17019	0.001	<0.001	EPA502.2	0.001	6/3/91

Comments:

FOEN	Lab	252410
FOUW	Lab	25139
FOUWENT	Lab	300
SCWEE	Lab	20018

**ANALYTICAL & CONSULTING CHEMISTS
CHARTERED ACCOUNTANTS
WINDWARD WATER 17-339**

Attd: Lane 11

[illegible]

SAMPLE INFORMATION: SAMPLE DATE: MONTH MAY DATE 3 YEAR 1991
 SAMPLE TYPE (check all applicable): ☐ check, ☐ regular distribution
☒ composite, ☐ clearance, ☐ max residence time, ☐ plant tap,
☒ raw, ☐ well, ☐ resample, ☐ special

SAMPLEN'S NAME: LOWELL POPE TITLE: CREATOR PHONE: 334-5584

DRAWER'S SIGNATURE: *Paul T. Bick*

NOTES:

FOX RUN 10" 443-1700

LEILANI #1/ 443-0790

LEILANI #2 443-0790

FISHERMANS HAVEN 443-0442

11) Artemisia Group(s) Analyzed: Turbidity ; Inorganic ; Isobutanolinsane ; Volatile Organic ;
Organic Chemical ; Secondary Chemical ; Biological ; Unregulated Organic Pesticide ;
Unregulated Organic Pesticide ; Unregulated Base Flamed Extractable ; Unregulated Acid Extractable ;

h) Laboratory Number		i) Client Sample Identification	
17019	#1		
	#2		
	#3		
	#4		
	#5		
	#6		
	#7		
	#8		
	#9		
	#10		
j) Collector's Signature: <u>Fossil T. Dick</u>		Date: <u>7-11-81</u>	Time: <u>7:50 PM</u>
k) Transporter's Signature: <u>[Signature]</u>		Date: <u>7/12/81</u>	Time: <u>10:30</u>
l) Lab Acceptance (If): <u>[Signature]</u>			



Received From:

SSU
1790 NE 24th St.
JensonBch, FL 34957

Date Reported: Sep23 1991

PO Number: L112391

PO Number SSU
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE

Date Received:

Sep18 1991

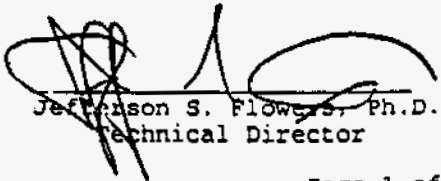
Lab Number : 17833

REPORT OF ANALYSIS

17833					
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	109	.921	<0.000005
Para-dichlorobenzene	mg/L	0.001	105	.761	<0.001
Vinyl chloride	mg/L	0.001	125	.777	<0.001
1,1-dichloroethene	mg/L	0.001	125	.777	<0.001
1,2-dichloroethane	mg/L	0.001	104	2.11	<0.001
1,1,1-trichloroethan	mg/L	0.001	117	.966	<0.001
Carbon tetrachloride	mg/L	0.001	116	1.63	<0.001
Trichloroethene	mg/L	0.001	110	.165	<0.001
Tetrachloroethene	mg/L	0.001	110	1.24	<0.001
Benzene	mg/L	0.001	112	.033	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.



Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-897
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5964
FAX: (407) 339-5964

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-0442 / 443-0790 / 443-1700
Public Water System Name: ESSEX COUNTY WATER / LEBLANC HOTSPOTS / FOX RUN
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17833
Sample Location (be specific): AT WELL
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☒ Well ☐ Resample
☐ Special

Sampler Name, Title Phone:
LEWIS PELLIC OPER 407 334 5384

ANALYSIS INFORMATION

Extraction Date: 09/17/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check one) Yes ☐ No ☒
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 9/20/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17833	.00002	<.000005	EPA504.1	.000005	9/19/91
2969	Para-dichlorobenzene	17833	.075	<0.001	EPA502.2	0.001	9/19/91
2976	Vinyl chloride	17833	0.001	<0.001	EPA502.2	0.001	9/19/91
2977	1,1-dichloroethene	17833	0.007	<0.001	EPA502.2	0.001	9/19/91
2980	1,2-dichloroethane	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2981	1,1,1-trichloroethane	17833	0.2	<0.001	EPA502.2	0.001	9/19/91
2982	Carbon tetrachloride	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2984	Trichloroethene	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2987	Tetrachloroethene	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2990	Benzene	17833	0.001	<0.001	EPA502.2	0.001	9/19/91

Comments:



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

January 13, 1992

Mr. Francisco Perez
State of Florida
Department of Environmental Regulation
2745 S.E. Morning Side Blvd.
Port St. Lucie, Florida 34952

Re: Composite Analysis of Volatile Organics
Fisherman's Haven P.W. I.D. #4430442
Leilani Heights P.W. I.D. #4430790
Fox Run P.W. I.D. #4431700

Dear Mr. Perez:

Please find enclosed for your records a composite analysis for volatile organics from the above listed systems in Martin County. This is the Fourth Quarter analysis for wells #1 and #2 at Fox Run, wells #1 and #2 at Leilani Heights, and well #1 at Fisherman's Haven.

Thank you for your cooperation.

Sincerely,

Sam Sparks
Area Supervisor

SS/jp

cc: Jim Ragsdale w/enclosures
Frank Sanderson
Mel Fisher
Jim Murray
Jensen Beach Office w/enclosures

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1790 NE 24th St.
JensonBch, FL 34957

Date Reported: Dec30 1991

PO Number: L114398

PO Number Leilani Hghts

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE

Date Received:

Dec24 1991

Lab Number : 18582

REPORT OF ANALYSIS

					18582
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	113	4.07	<0.000005
Para-dichlorobenzene	mg/L	0.001	97.1	.793	<0.001
Vinyl chloride	mg/L	0.001	105	.389	<0.001
1,1-dichloroethene	mg/L	0.001	105	.389	<0.001
1,2-dichloroethane	mg/L	0.001	101	1.47	<0.001
1,1,1-trichloroethane	mg/L	0.001	98.9	2.26	<0.001
Carbon tetrachloride	mg/L	0.001	99.8	2.11	<0.001
Trichloroethene	mg/L	0.001	101	3.70	<0.001
Tetrachloroethene	mg/L	0.001	102	1.69	<0.001
Benzene	mg/L	0.001	90.8	3.13	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Andrew Harrison
Laboratory Manager

William L. Flowers, Ph.D.
Johnston & Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-897
ALZAMONTE SPRINGS
FLORIDA 32715-0597
TEL: (407) 339-8984
FAX: (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-0442 / 443-0790 / 443-1700
 Public Water System Name: PISH-SAMPAH-HAHN / LEILANI HOTS / FOX RUN
 Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
 Parameter Group(s) Analyzed: Turbidity___; Inorganic___; Trihalomethane___;
 Volatile Organic X___; Organic Chemical___; Secondary Chemical___; Radiological___;
 Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
 Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;
 Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
 Laboratory Sample Number: 18582
 Sample Location (be specific):
 Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special
 Sampler Name, Title Phone: LOWELL PUGH OPERATOR 407 334 5584

ANALYSIS INFORMATION

Extraction Date: 12/12/91
 Laboratory Contact: Dr. J.S. Flowers
 Resample Requested? (check one): ☐ Yes ☒ No
 ANALYSIS SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
 Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
 Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
 Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Andrew B. Harrison
 Title: Laboratory Manager
 Laboratory: Flowers Chemical Laboratories, Inc.
 Date: 12/30/91

Mail Results to the
 Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
 Effective 06/01/89 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18582	.00002	<.000005	EPA504.1	.000005	12/27/91
2969	Para-dichlorobenzene	18582	.075	<0.001	EPA502.2	0.001	12/24/91
2976	Vinyl chloride	18582	0.001	<0.001	EPA502.2	0.001	12/24/91
2977	1,1-dichloroethene	18582	0.007	<0.001	EPA502.2	0.001	12/24/91
2980	1,2-dichloroethane	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2981	1,1,1-trichloroethane	18582	0.2	<0.001	EPA502.2	0.001	12/24/91
2982	Carbon tetrachloride	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2984	Trichloroethene	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2987	Tetrachloroethene	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2990	Benzene	18582	0.001	<0.001	EPA502.2	0.001	12/24/91

Comments:

FOER	LEAD	ES0018
FOHRS	LEAD	ES128
NCDEHNR	LEAD	290
SCDEHC	LEAD	99019

**ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550**

(1) Client S.S.U.		(2) Address 1790 N.E. 24th St. Jensen Bch. FL 33457			(3) Phone (407) 334-5584	
(4) Public Drinking Water ID # 443-0790 AT		(5) Public Water System Name: LEILANI HOTS				
(6) Project #		(8) Public Water System Type				
(7) PWS # L 114398		☒ Community ☐ Non-Community ☐ Special Non-Community				

		Preservative		Plastic Containers					Glass Containers					NOTES:		
	Total	INFO	ZnOAcNaOH		60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L
3	15										☒					

COMPOSIT

5 WELLS

FOX RUN 443-1700

LEILANI HOTS 443-0790

FISHERMANS HAVEN 443-0442

(17) Kit Relinquished:		(17) Date		(9) Kit Received	
		(17) Time		(9) Date	
				(9) Time	

(10) Parameter Group(s) Analyzed: Turbidity ☐ Inorganic ☐ Trihalomethane ☐ Volatile Organic ☒ Organic Chemical ☐ Secondary Chemical ☐ Radiological ☐ Unregulated Organic Purgeable ☐ Unregulated Organic Pesticide ☐ Unregulated Base Neutral Extractable ☐ Unregulated Acid Extractable ☐					
---	--	--	--	--	--

(18) Laboratory Number

(11) Client Sample Identification

✓ 18582

01 FOX RUN NEW WELL
02 FOX RUN OLD WELL
03 LILLIANI HTS WELL #1
04 LILLIANI HTS WELL #2
05 FISCHERMAN HARBOR WELL
06
07
08
09
10

(13) Collectors Signature: Lowell T. Pelt Date: 12-23-91 Time: 11:00 AM - 1:00 PM
(14) Transporters Signature: _____
(15) Lab Acceptance By: [Signature] 12/24/91 2:25

Over for numbered instructions.



ORLANDO LABORATORIES INC

File # 1001

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-09-279
Date Received: 09/26/90
Date Reported: 10/01/90
OLI Contact: E_HOBBS

Work ID: Fox Run
Total Samples: 1

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Composite #1

TEST CODES and NAMES used on this report
1_COMP Composite Data For Samples
PWS033 Radiological Analysis

Copy of results to:

SSU Services
Attn: Mel Fischer
1790 NE 24th Street
Jensen Beach, FL 34957

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 33141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

Acting
LABORATORY DIRECTOR

Dedicated To Excellence

407 896-6646

800 926-6320

Eric Malarek
QUALITY CONTROL

FAX 407 896-6688

ORLANDO LABORATORIES, INC.
Received: 09/26/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-279

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Composite Data For Samples

SAMPLE# 01A
MATRIX WATER
TEST CODE 1 COMP

NUMBER OF SAMPLES COMPOSITED: 4

Sample Identification	Date & Time Collected
#1 FOX RUN 12/89	12/01/90
#2 FOX RUN 03/90	03/20/90
#3 FOX RUN 06/90	06/26/90
#4 FOX RUN 09/90	09/25/90
#5	
#6	
#7	
#8	
#9	
#10	
#11	
#12	

The results for this composite can
be found under the Sample ID of:

COMPOSITE

Comments

ORLANDO LABORATORIES, INC.
Received: 09/26/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-279

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Radiological Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u><0.5</u>	<u>EPA 900.0</u>	<u>+/- 2.2</u>	<u>10/01/90</u>
4006 Total Uranium	_____	<u>N/A</u>	_____	_____	_____
4010 Total Radium	_____	<u>N/A</u>	_____	_____	_____
4020 Radium-226	_____	<u>N/A</u>	_____	_____	_____
4030 Radium-228	_____	<u>N/A</u>	_____	_____	_____
4100 Gross Beta	_____	<u>N/A</u>	_____	_____	<u>--</u>

Comments:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-09-279
Page No: 4

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Gross Alpha	0.9	96	09/28/90	JAB

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System ID. Number: _____
Public Water System Name: FOX RUN
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Radiological
Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 12 / 01 / 88 03/20/90, 06/26/90 & 09/23/90
Laboratory Sample Number: 98-09-279

Sample Location (be specific): _____

Sample Type (check all applicable):

- | | | |
|------------------------------------|---|------------------------------------|
| ☐ Check | ☐ Regular Distribution | ☐ Composite |
| ☐ Clearance | ☐ Maximum Residence Time | ☐ Plant Tap |
| ☐ Raw | ☐ Well | ☐ Re-sample |
| ☐ Special | | |

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): / /

Laboratory Contact: Eric Malarek

Re-sample Requested? (check one): ☐ Yes ☐ No

ANALYSES SUBMITTED: Turbidity; Inorganic; Trifluoromethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature Eric Malarek

Name Eric Malarek

Title Quality Control Officer

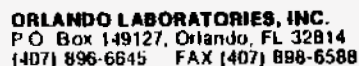
Laboratory Orlando Laboratories, Inc.

Date 10/1/88

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1

[illegible]

ORIGINAL - LAB
MULTIPLY BY

0253

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From: SSU
1790 NE 24th St.
JensonBch, FL 34957

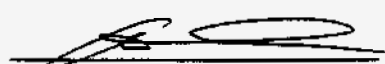
Date Reported: Dec30 1991
PO Number: L114399
PO Number Fox Run
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: DIST.
Date Received: Dec24 1991 Lab Number : 18584

REPORT OF ANALYSIS

18584					
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Turbidity	NTU	0.05	100	.000	0.16
Arsenic	mg/L	0.0005			-
Barium	mg/L	0.01			-
Cadmium	mg/L	0.001			-
Chromium	mg/L	0.005			-
Fluoride	mg/L	0.05			-
Lead	mg/L	0.001			-
Mercury	mg/L	0.0002			-
Nitrate(as N)	mg/L	0.01			-
Selenium	mg/L	0.0005			-
Silver	mg/L	0.005			-
Sodium	mg/L	0.002			-
Calcium	mg/L	0.1			-

Data Release Authorization
Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Andrew Harrison
Laboratory Manager

William L. Flowers, Ph.D.
William L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-897
ALHAMBRA SPRINGS
FLORIDA 32715-0897
TEL: (407) 330-5984
FAX: (407) 260-6110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1790 NE 24th St.
JensonBch, FL 34957

Date Reported: Dec30 1991

PO Number: L114399

PO Number Fox Run
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: DIST.

Date Received:

Dec24 1991

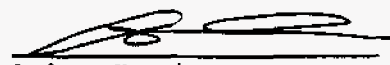
Lab Number : 18584

REPORT OF ANALYSIS

					18584
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Chloride	mg/L	0.01			-
Carbonate CaCO3	mg/L	0.1			-
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			-
Bicarbonate HCO3	mg/L	0.1			-
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01	102	.296	0.242
Magnesium	mg/L	0.01			-
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	0.001			-
Carbon_Dioxide	mg/L	0.1			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Andrew Harrison
Laboratory Manager

Page 2 of 4

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Jefferson L. Flowers, Ph.D.
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0255

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1790 NE 24th St.
JensonBch, FL 34957

Date Reported: Dec30 1991

PO Number: L114399

PO Number Fox Run
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: DIST.

Date Received:

Dec24 1991

Lab Number : 18584

REPORT OF ANALYSIS

					18584
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			-
NCH_as_CaCO3	mg/L	0.1			-
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01			-
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1			-
TDS	mg/L	2.5			-
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			-
Langelier Index pHs	pHs	0.01			-
Saturation Index	LX	0.01			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Andrew Harrison
Laboratory Manager

Page 3 of 4

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Jefferson S. Flowers, Ph.D.
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0256

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1790 NE 24th St.
JensonBch, FL 34957

Date Reported: Dec30 1991

PO Number: L114399
PO Number Fox Run
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: DIST.

Date Received:

Dec24 1991

Lab Number : 18584

REPORT OF ANALYSIS

					18584
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Stability_Index	pH	0.01			-
Foaming_Agents	mg/L	0.1			-
Field DO	mg/L	0.1			-
Field Chlorine	mg/L	0.1			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Andrew Harrison
Laboratory Manager

Page 4 of 4

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FLORIDA 32715-0897
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0257

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700

Public Water System Name: FOX RUN

Public Water System Type (check one):

☒ Community

☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity X; Inorganic ; Trihalomethane ;

Volatile Organic ; Organic Chemical ; Secondary Chemical X; Radiological ;

Unregulated Organic Purgeable ; Unregulated Organic Pesticide ;

Unregulated Base Neutral Extractable ; Unregulated Acid Extractable ;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 12/23/91

Laboratory Sample Number: 18584

Sample Location (be specific): DIST POB

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: LOWELL T. PULIS OPERATOR 407 334 5584

ANALYSIS INFORMATION

Extraction Date: 12/23/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check one):

☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ; Inorganic ; Trihalomethane ;

Volatile Organic ; Organic Chemical ; Secondary Chemical ; Radiological ;

Unregulated Organic Purgeable ; Unregulated Organic Pesticide ;

Unregulated Base Neutral Extractable ; Unregulated Acid Extractable ;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: [Signature]

Name: Andrew B. Harrison

Title: Laboratory Manager

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 12/30/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01

Effective 06/01/89

Sample Interpretation (check one):

☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	18584	1	.160	EPA180.1	0.05	12/27/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Arsenic	18584			EPA206.3	0.0005	
1017	Barium	18584	250		EPA208.1	0.01	
1019	Cadmium	18584			EPA213.1	0.001	
1021	Chromium	18584			EPA218.1	0.005	
1022	Fluoride	18584	1		EPA340.1	0.05	
1023	Lead	18584			EPA239.2	0.001	
1026	Mercury	18584			EPA245.1	0.0002	
1027	Nitrate(as N)	18584			EPA353.1	0.01	
1028	Selenium	18584	0.3		EPA270.3	0.0005	
1031	Silver	18584			EPA272.1	0.005	
1032	Sodium	18584	0.05		EPA273.1	0.002	
1055	Calcium	18584	250		EPA215.1	0.1	
1095	Chloride	18584	5		EPA375.4	0.01	
1901	Carbonate CaCO3	18584			SM314A	0.1	
1905	Hydroxide CaCO3	18584	15		SM408C	0	
1915	Copper	18584			EPA220.1	0.005	
1917	Bicarbonate CaCO3	18584			SM408C	0	
1920	Bicarbonate HCO3	18584	3		SM408C	0	
1924	Hydrogen Sulfide	18584	6.5-8.5		EPA376.1	0.5	
1925	Iron	18584	6.5-8.5	.242	EPA236.1	0.01	12/26/91
1926	Magnesium	18584			EPA242.1	0.01	
1927	Manganese	18584			EPA243.1	0.005	
1930	Sulfate	18584	500		EPA300.0	0.200	
1931	Zinc	18584			EPA289.1	0.001	
1996	Carbon Dioxide	18584			SM408C	0	
1997	Color (color units)	18584			EPA110.1	5	
1998	Total Hardness	18584	-0.2:+0.2		SM314A	0.1	
1999	NCH as CaCO3	18584			SM314A	0.1	
2909	Odor (total odor number)	18584	0.5		EPA140.1	1	
9996	Field pH (units)	18584			EPA150.1	0.01	
9997	Lab pH (units)	18584			EPA150.1	0.01	

Comments:

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-850

FOER Lab 82018
FOHRS Lab 82138
NCDENR Lab 280
SCDHEC Lab 88018

ATTN: Lowell

(1) Client SSU	(2) Address 1790 N.E. 24th St. JASON BEACH, FL 34957	(3) Phone (407) 334-5584
(4) Public Drinking Water ID # 443-1700	(5) Public Water System Name: FOX RUN	
(6) Project #	(8) Public Water System Type	
(7) POC # L 114399	() Community () Non-Community () Special Non-Community	

	Preservative Plastic Containers						Glass Containers						NOTES:
	1000	500	250	125	60	30	40	250	500	1L	2L	4L	
(15)													(12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____

(17) Kit Relinquished:	(17) Date	(9) Kit Received	(9) Date
	(17) Time		(9) Time

(10) Parameter Group(s) Analysed: Turbidity; Inorganic; Trihalomethane; Volatile Organic;
 Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide;
 Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable

(18) Laboratory Number
18584

(11) Client Sample Identification

#1	FOX RUN DIST P.O.B.
#2	
#3	
#4	
#5	
#6	
#7	
#8	
#9	
#10	

(13) Collector's Signature:

Lowell T. Polk

Date
12-23-91

Time
11:15 AM

(14) Transporter's Signature:

[Signature]

Date
12/24/91

Time
2:30

(15) Lab Acceptance By:

Over for numbered instructions.

Friendly Center - 556

Lake County (SSU)

Water

- 1992 FPSC Filing -

Friendly Center

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	1/91
Organic	1/91
Volatile Organic Chemicals	1/91
	4/91
	7/91
	10/91
Turbidity	1/91
Microbiological	12/91
Radionuclide	1/91
Secondary Contaminants	1/91
Unregulated Contaminants	1/91



ORLANDO LABORATORIES INC

MOR-LE

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 91-01-206
Date Received: 01/16/91
Date Reported: 01/31/91
OLI Contact: L BALTZLEY

Work ID: 5 separate locations
Total Samples: 3

Friendly Center
PWS ID #3350426

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Composite #1
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report

1 COMP Composite Data For Samples
PWS028 Volatile Organic Analysis
PWS034 Unreg-Organic Purgeable
PWS035 Unreg-Organic Pesticides
PWS036 Unreg-Base Neutral Extract
PWS037 Unreg-Acid Extractable

Copy of results to:

Brian Heath
300 North Fern Drive
Leesburg, FL 34748

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

[Signature]
Acting
LABORATORY DIRECTOR

Dedicated To Excellence

[Signature]
Eric Malarek
QUALITY CONTROL

(407) 896-6645

(800) 825-8320

FAX (407) 898-6588

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350426
 Public Water System Name: Friendly Center
 Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Volatile Organic Analysis, Unreg-Organic
Purgeable Analysis, Unreg-Organic Pesticide
Unreg-Base Neutral Extractable Analysis and
Unreg-Acid Extractable Analysis
 Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 01/16/91
 Laboratory Sample Number: 91-01-206
 Sample Location: Plant
 Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Re-sample
☐ Special
 Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 01/17/91 (504,615,608,622), 01/18/91 (625)
 Laboratory Contact: Eric Malarek
 Re-sample Requested? (check one): ☐ Yes ☒ No
 ANALYSES SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
 Volatile Organic___; Organic Chemical___; Secondary Chemical___;
 Radiological___; Unregulated Organic Purgeable___; Unregulated
 Organic Pesticides___; Unregulated Base Neutral Extractable___;
 Unregulated Acid Extractable___; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
 Name: Eric Malarek
 Title: Quality Control Officer
 Laboratory: Orlando Laboratories, Inc.
 Date: 1/17/91

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Composite Data For Samples

SAMPLE# 01A
MATRIX WATER
TEST CODE 1 COMP

NUMBER OF SAMPLES COMPOSITED: 5

	Sample Identification	Date & Time Collected
#1	FRIENDLY CENTER	01/16/91 10:00
#2	CARLTON VIL #1	01/16/91 10:00
#3	CARLTON VIL #2	01/16/91 10:00
#4	MORNING VIEW	01/16/91 09:00
#5	EAST LAKE HARRIS	01/16/91 11:00
#6		
#7		
#8		
#9		
#10		
#11		
#12		

The results for this composite can
be found under the Sample ID of: COMPOSITE #1

Comments

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	01/18/91
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	01/17/91
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	01/17/91
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	01/17/91
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	01/17/91
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	01/17/91
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	01/17/91
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	01/17/91
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	01/17/91
2990 Benzene			0.0005 U	EPA 524	0.0005	01/17/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2212 Dichlorodifluoro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2214 Bromomethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2216 Chloroethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2218 Trichlorofluoro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2224 trans-1,3-Dichloro propene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2228 cis-1,3-Dichloro propene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2251 Methyl tert-butyl ether	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2380 cis-1,2-Dichloro ethene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2408 Dibromomethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2410 1,1-Dichloropropene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2412 1,3-Dichloropropane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2414 1,2,3-Trichloro propane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2416 2,2-Dichloropropane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2931 1,2-dibromo-3-chloro propane	_____	_____	0.00020 U	EPA 504	0.00020	01/18/91
2941 Chloroform	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2942 Bromoform	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2943 Bromodichloro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206
Continued From Above

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloro methane	0.00050	U	EPA 524	0.00050	01/17/91
2952 para-Xylene	0.00050	U	EPA 524	0.00050	01/17/91
2964 Methylene Chloride	0.00050	U	EPA 524	0.00050	01/17/91
2965 o-Chlorotoluene	0.00050	U	EPA 524	0.00050	01/17/91
2966 p-Chlorotoluene	0.00050	U	EPA 524	0.00050	01/17/91
2967 meta-Dichlorobenzene	0.00050	U	EPA 524	0.00050	01/17/91
2968 o-Dichlorobenzene	0.00050	U	EPA 524	0.00050	01/17/91
2978 1,1-Dichloroethane	0.00050	U	EPA 524	0.00050	01/17/91
2979 trans-1,2-Dichloro ethane	0.00050	U	EPA 524	0.00050	01/17/91
2983 1,2-Dichloropropane	0.00050	U	EPA 524	0.00050	01/17/91
2985 1,1,2-Trichloroethane	0.00050	U	EPA 524	0.00050	01/17/91
2986 1,1,1,2-Tetrachloro ethane	0.00050	U	EPA 524	0.00050	01/17/91
2988 1,1,2,2-Tetrachloro ethane	0.00050	U	EPA 524	0.00050	01/17/91
2989 Chlorobenzene	0.00050	U	EPA 524	0.00050	01/17/91
2991 Toluene	0.00050	U	EPA 524	0.00050	01/17/91
2992 Ethylbenzene	0.00050	U	EPA 524	0.00050	01/17/91
2993 Bromobenzene	0.00050	U	EPA 524	0.00050	01/17/91
2995 meta-Xylene	0.00050	U	EPA 524	0.00050	01/17/91
2996 Styrene	0.00050	U	EPA 524	0.00050	01/17/91
2997 ortho Xylene	0.00050	U	EPA 524	0.00050	01/17/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Unreg-Organic Pesticides

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	01/18/91
2036 Oxamyl (Vydate)			0.00200 U	EPA 531	0.00200	01/23/91
2037 Simazine			0.00005 U	EPA 622	0.00005	01/23/91
2040 Picloran			0.00100 U	EPA 615	0.00100	01/18/91
2041 Dinoseb			0.00200 U	EPA 615	0.00200	01/18/91
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	01/23/91
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	01/23/91
2045 Metolachlor			0.00005 U	EPA 622	0.00005	01/17/91
2046 Carbofuran			0.00150 U	EPA 531	0.00150	01/23/91
2047 Aldicarb			0.00100 U	EPA 531	0.00100	01/23/91
2050 Atrazine			0.00005 U	EPA 622	0.00005	01/17/91
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	01/17/91
2065 Heptachlor			0.00005 U	EPA 608	0.00005	01/15/91
2356 Aldrin			0.00005 U	EPA 608	0.00005	01/15/91
2364 Dieldrin			0.00010 U	EPA 608	0.00010	01/15/91
2440 Dicamba			0.00200 U	EPA 615	0.00200	01/18/91
2959 Chlordane			0.00050 U	EPA 608	0.00050	01/15/91
2326 Pentachlorophenol			0.05000 U	EPA 625	0.05000	01/19/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample:

Work Order # 91-01-206

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclopentadiene			0.01000 U	EPA 625	0.01000	01/19/91
2063 Dioxin			0.01000 U	EPA 625	0.01000	01/19/91
2262 Isophorone			0.01000 U	EPA 625	0.01000	01/19/91
2270 2,4-dinitrotoluene			0.01000 U	EPA 625	0.01000	01/19/91
2282 Dimethylphthalate			0.01000 U	EPA 625	0.01000	01/19/91
2284 Diethylphthalate			0.01000 U	EPA 625	0.01000	01/19/91
2290 Dibutylphthalate			0.01000 U	EPA 625	0.01000	01/19/91
2294 Butyl benzyl phthalate			0.01000 U	EPA 625	0.01000	01/19/91
2298 Bis(2-ethylhexyl) phthalate			0.01000 U	EPA 625	0.01000	01/19/91
2378 1,2,4-trichloro benzene			0.01000 U	EPA 625	0.01000	01/19/91
2388 PCB-1016			0.00050 U	EPA 608	0.00050	01/17/91
2390 PCB-1221			0.00050 U	EPA 608	0.00050	01/17/91
2392 PCB-1232			0.00050 U	EPA 608	0.00050	01/17/91
2394 PCB-1242			0.00050 U	EPA 608	0.00050	01/17/91
2396 PCB-1248			0.00050 U	EPA 608	0.00050	01/17/91
2398 PCB-1254			0.00100 U	EPA 608	0.00100	01/17/91
2400 PCB-1260			0.00100 U	EPA 608	0.00100	01/17/91
9089 Dioctylphthalate			0.01000 U	EPA 625	0.01000	01/19/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Unreg-Acid Extractable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol	_____	_____	<u>0.01000</u>	<u>U</u>	<u>EPA 625</u>	<u>0.01000</u>	<u>01/19/91</u>
9112 2-methyl-4,6-dinitro phenol	_____	_____	<u>0.05000</u>	<u>U</u>	<u>EPA 625</u>	<u>0.05000</u>	<u>01/19/91</u>
9115 Phenol	_____	_____	<u>0.01000</u>	<u>U</u>	<u>EPA 625</u>	<u>0.01000</u>	<u>01/19/91</u>
9116 2,4,6-trichloro- phenol	_____	_____	<u>0.01000</u>	<u>U</u>	<u>EPA 625</u>	<u>0.01000</u>	<u>01/19/91</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	01/18/91
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	01/17/91
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	01/17/91
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	01/17/91
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	01/17/91
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	01/17/91
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	01/17/91
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	01/17/91
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	01/17/91
2990 Benzene			0.0005 U	EPA 524	0.0005	01/17/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2212 Dichlorodifluoro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2214 Bromomethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2216 Chloroethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2218 Trichlorofluoro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2224 trans-1,3-Dichloro propane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2228 cis-1,3-Dichloro propane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2251 Methyl tert-butyl ether	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2380 cis-1,2-Dichloro ethene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2408 Dibromomethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2410 1,1-Dichloropropane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2412 1,3-Dichloropropane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2414 1,2,3-Trichloro propane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2416 2,2-Dichloropropane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2931 1,2-dibromo-3-chloro propane	_____	_____	0.00020 U	EPA 504	0.00020	01/18/91
2941 Chloroform	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2942 Bromoform	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2943 Bromodichloro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206
Continued From Above

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2962 para-Xylene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2964 Methylene Chloride	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2965 o-Chlorotoluene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2966 p-Chlorotoluene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2967 meta-Dichlorobenzene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2968 o-Dichlorobenzene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2978 1,1-Dichloroethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2979 trans-1,2-Dichloro ethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2983 1,2-Dichloropropane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2985 1,1,2-Trichloroethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2986 1,1,1,2-Tetrachloro ethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2988 1,1,2,2-Tetrachloro ethane	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2989 Chlorobenzene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2991 Toluene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2992 Ethylbenzene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2993 Bromobenzene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2995 meta-Xylene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2996 Styrene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91
2997 ortho Xylene	_____	_____	0.00050 U	EPA 524	0.00050	01/17/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Pesticides

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410 (2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	01/18/91
2036 Oxamyl (Vydate)			0.00200 U	EPA 531	0.00200	01/23/91
2037 Simazine			0.00005 U	EPA 622	0.00005	01/17/91
2040 Picloran			0.00100 U	EPA 615	0.00100	01/18/91
2041 Dinoseb			0.00200 U	EPA 615	0.00200	01/18/91
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	01/23/91
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	01/23/91
2045 Metolachlor			0.00005 U	EPA 622	0.00005	01/17/91
2046 Carbofuran			0.00150 U	EPA 531	0.00150	01/23/91
2047 Aldicarb			0.00100 U	EPA 531	0.00100	01/23/91
2050 Atrazine			0.00005 U	EPA 622	0.00005	01/17/91
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	01/17/91
2065 Heptachlor			0.00005 U	EPA 608	0.00005	01/15/91
2356 Aldrin			0.00005 U	EPA 608	0.00005	01/15/91
2364 Dieldrin			0.00010 U	EPA 608	0.00010	01/15/91
2440 Dicamba			0.00200 U	EPA 615	0.00200	01/18/91
2959 Chlordane			0.00050 U	EPA 608	0.00050	01/15/91
2326 Pentachlorophenol			0.05000 U	EPA 625	0.05000	01/19/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-206

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Acid Extractable

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)		Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol			0.01000	U	EPA 625	0.01000	01/19/91
9112 2-methyl-4,6-dinitro phenol			0.05000	U	EPA 625	0.05000	01/19/91
9115 Phenol			0.01000	U	EPA 625	0.01000	01/19/91
9116 2,4,6-trichloro- phenol			0.01000	U	EPA 625	0.01000	01/19/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
NonReported Work

Work Order # 91-01-206

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02A : NOTEST

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-18-1991

LAB SAMPLE # : 9101206-1 524
ANALYSIS DATE : 1/17/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
1,1-dichloroethene	50	0	61	122	57	114	7
trichloroethene	50	0	56	112	49	98	13
benzene	50	0	57	114	52	104	9
toluene	50	0	55	110	46	92	18 *
chlorobenzene	50	0	55	110	44	88	22 *

COMMENTS : * = parameter outside QC limits, Due To MATRIX INTERFERENCE.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	61	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 01-20-1991

LAB SAMPLE # : 9101202-01a
 ANALYSIS DATE : 1/18/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
PICLORAM	100	0	119	119	105	105	13
2,4,5-TP (silver)	100	0	128	128	162	162	23

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
PICLORAM	80	175	30	80	175	30
2,4,5-TP (silver)	80	175	30	80	175	30

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-18-1991

LAB SAMPLE # : 9101203-01A
ANALYSIS DATE : 01/17/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSDt RECOVERY	RPD
ALACHLOR	100	0	96	96	110	110	16
COMMENTS :							

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ALACHLOR	70	130	30	60	140	35

ORLANDO LABORATORIES INC.
GC/MS SEMI-VOLATILE ORGANICS
MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-20-1991

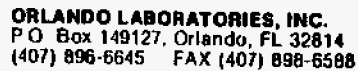
LAB SAMPLE # : 9101209-1 625
ANALYSIS DATE : 1/19/91

COMPOUND	ANALYT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
phenol	200	0	131	66	139	70	6
2-chlorophenol	200	0	228	114	243	122	6
4-chloro-3-methylphenol	200	0	222	111 *	244	122 *	9
4-nitrophenol	200	0	62	31	39	20	46
pentachlorophenol	200	0	326	163 *	359	180 *	10
1,4-dichlorobenzene	100	0	97	97	103	103 *	6
n-nitroso-di-n-propylamine	100	0	92	92	98	98	6
1,2,4-trichlorobenzene	100	0	96	96	105	105 *	9
acenaphthene	100	0	105	105	114	114	8
2,4-dinitrotoluene	100	0	100	100	106	106 *	6
pyrene	100	0	89	89	100	100	12

COMMENTS : * = parameter outside QC limits, DUE TO MATRIX INTERFERENCE.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
phenol	12	89	42	26	90	35
2-chlorophenol	27	123	40	25	102	50
4-chloro-3-methylphenol	23	97	42	26	103	33
4-nitrophenol	10	90	50	11	114	50
pentachlorophenol	25	103	50	17	109	47
1,4-dichlorobenzene	36	97	28	28	104	27
n-nitroso-di-n-propylamine	41	116	38	41	126	38
1,2,4-trichlorobenzene	39	98	28	38	107	23
acenaphthene	46	118	31	31	137	19
2,4-dinitrotoluene	24	102	38	28	95	47
pyrene	26	127	31	35	142	36

Page 1 of 1[illegible]

ORIGINAL - LAB
YELLOW - INF

0283



ORLANDO LABORATORIES ^{INC.}

MOR

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 91-01-202
Date Received: 01/16/91
Date Reported: 01/24/91
OLI Contact: L_BALTZLEY

Work ID: Friendly Center
Total Samples: 2

PWS ID # 3350426

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Well #1
02 Method Blank

TEST CODES and NAMES used on this report

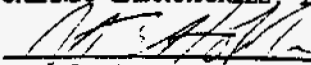
PWS026 Turbidity Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS033 Radiological Analysis

Copy of results to:

Brian Heath
300 N. Fern Drive
Leesburg, FL 34748

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 93141. Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

PUBLIC DRINKING WATER ANALYSIS REPORTING FORM

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350426
 Public Water System Name: Friendly Center
 Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Turb. Org. Chem. Inorganics. Secondaries & Radiological Analysis.

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 01/16/91
 Laboratory Sample Number: 91-01-202
 Sample Location: Plant
 Sample Type (check all applicable):
 ☐ Check ☒ Regular Distribution ☐ Composite
 ☐ Clearance ☐ Maximum Residence Time ☒ Plant Tap
 ☒ Raw ☒ Well ☐ Re-sample
 ☐ Special
 Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): N/A
 Laboratory Contact: Eric Malarek
 Re-sample Requested? (check one): ☐ Yes ☒ No
 ANALYSES SUBMITTED: Turbidity ☒; Inorganic ☒; Trihalomethane ☒;
 Volatile Organic ☒; Organic Chemical ☒; Secondary Chemical ☒;
 Radiological ☒; Unregulated Organic Purgeable ☒; Unregulated
 Organic Pesticides ☒; Unregulated Base Neutral Extractable ☒;
 Unregulated Acid Extractable ☒; (Check all analyses which apply.)

I do HEARBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
 Name: Eric Malarek
 Title: Quality Control Officer
 Laboratory: Orlando Laboratories, Inc.
 Date: 1/24/91

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-202

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 10:00:00
TEST NAME Turbidity Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PMS026

TURBIDITY ANALYSIS
17-550.310(3)
(PMS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result(NTU)	Analytical Method	Analysis Date
0100 Turbidity			<u><0.50</u>	<u>EPA 180.1</u>	<u>01/18/91</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-202

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 10:00:00
TEST NAME Organic Chemical Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310 (2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	01/17/91
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	01/17/91
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	01/17/91
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	01/17/91
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	01/18/91
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	01/18/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-202

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 10:00:00
TEST NAME Inorganic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	01/17/91
1010 Barium			<0.100	EPA 200.7	0.100	01/18/91
1015 Cadmium			<0.005	EPA 213.2	0.005	01/18/91
1020 Chromium			<0.010	EPA 218.2	0.010	01/18/91
1025 Fluoride			0.12	EPA 340.2	0.1	01/21/91
1030 Lead			<0.010	EPA 239.2	0.010	01/21/91
1035 Mercury			<0.0005	EPA 245.1	0.0005	01/18/91
1040 Nitrate (as N)			<0.03	EPA 352.2	0.03	01/22/91
1045 Selenium			<0.005	EPA 270.2	0.005	01/17/91
1050 Silver			<0.010	EPA 272.2	0.010	01/17/91
1052 Sodium			5.90	EPA 200.7	0.001	01/18/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-202

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 10:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			39.0	EPA 200.7	0.1	01/18/91
1017 Chloride			10	SM 407	1.0	01/22/91
1019 Carbonate CaCO ₃			NOT ANALYZED			
1021 Hydroxide CaCO ₃			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	01/18/91
1023 Bicarbonate CaCO ₃			NOT ANALYZED			
1025 Fluoride			0.12	EPA 340.2	0.1	01/21/91
1026 Bicarbonate HCO ₃			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			0.120	EPA 200.7	0.100	01/18/91
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.030	EPA 200.7	0.030	01/18/91
1055 Sulfate			1.2	EPA 375.4	1.0	01/22/91
1095 Zinc			<0.050	EPA 200.7	0.050	01/18/91
1901 Carbon Dioxide			1.3	SM 406 C	1.0	01/22/91
1905 Color (color units)			<5.0	EPA 270.2	5 PCU	01/18/91
1915 Total Hardness			97	EPA 200.7	0.050	01/18/91
1917 NCH as CaCO ₃			NOT ANALYZED			
1920 Odor			2.0	EPA 140.1	1	01/18/91
1924 Field pH (units)			7.5			
1925 Lab pH (units)			8.02	EPA 150.1	N/A	01/18/91
1926 Field Conductivity			524			

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-202
Continued From Above

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 10:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			120	EPA 310.1	2.0	01/18/91
1930 TDS			140	EPA 160.1	1.0	01/21/91
1931 Phenolphthalein ALK.			<2.0	EPA 310.1	2.0	01/18/91
1996 Field Temp. (C)			24.6			
1997 Langlier Index pHs			7.73	CALC	N/A	01/22/91
1998 Saturation Index			0.29	CALC	N/A	01/22/91
1999 Stability Index			7.70	CALC	N/A	01/22/91
2909 Foaming Agents			<0.10	EPA 425.1	0.1	01/18/91
9996 Field DO			3.8			
9997 Field Chlorine			1.8			

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-202

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 10:00:00
TEST NAME Radiological Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310(S)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u><0.5</u>	<u>EPA 900.0</u>	<u>+/- 0.9</u>	<u>01/23/91</u>
4006 Total Uranium	_____	<u>N/A</u>	_____	_____	_____
4010 Total Radium	_____	<u>N/A</u>	_____	_____	_____
4020 Radium-226	_____	<u>N/A</u>	_____	_____	_____
4030 Radium-228	_____	<u>N/A</u>	_____	_____	_____
4100 Gross Beta	_____	<u>1.0</u>	<u>EPA 900.0</u>	<u>+/- 1.1</u>	<u>01/23/91</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-202

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	<u>0.00010</u> U	<u>EPA 608</u>	<u>0.00010</u>	<u>01/17/91</u>
2010 Lindane	_____	_____	<u>0.00005</u> U	<u>EPA 608</u>	<u>0.00005</u>	<u>01/17/91</u>
2015 Methoxychlor	_____	_____	<u>0.00050</u> U	<u>EPA 608</u>	<u>0.00050</u>	<u>01/17/91</u>
2020 Toxaphene	_____	_____	<u>0.00100</u> U	<u>EPA 608</u>	<u>0.00100</u>	<u>01/17/91</u>
2105 2,4-D	_____	_____	<u>0.0020</u> U	<u>EPA 615</u>	<u>0.0020</u>	<u>01/18/91</u>
2110 2,4,5-TP (Silvex)	_____	_____	<u>0.0010</u> U	<u>EPA 615</u>	<u>0.0010</u>	<u>01/18/91</u>

Comments:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 91-01-202
Page No: 9

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Turbidity	<1	N/A	01/18/91	JN
Color	<1	N/A	01/18/91	JN
Odor	<1	N/A	01/18/91	TB
pH	1	N/A	01/18/91	TB
MBAS	<1	106	01/18/91	JN
Nitrogen, Nitrite	<1	97	01/16/91	RAW
Total Alkalinity	<1	85	01/18/91	TB
Fluoride	7	110	01/21/91	JN
Nitrogen, Nitrate	<1	100	01/22/91	SC
Chloride	<1	103	01/22/91	TB
Sulfate	3	102	01/22/91	RAW
TDS	4	N/A	01/21/91	JN
Silver	<1	98	01/17/91	DR
Arsenic	<1	100	01/17/91	DR
Selenium	<1	92	01/17/91	CFG
Barium	<1	98	01/18/91	BB
Cadmium	<1	107	01/18/91	BB
Chromium	<1	105	01/18/91	BB
Sodium	<1	102	01/18/91	BB
Copper	<1	103	01/18/91	BB
Iron	3	106	01/18/91	BB
Manganese	<1	107	01/18/91	BB
Zinc	<1	108	01/18/91	BB
Calcium	7	108	01/18/91	BB
Lead	<1	98	01/21/91	JC
Mercury	<1	100	01/18/91	LG
Gross Alpha	0.5	118	01/23/91	JAE
Gross Beta	2.8	109	01/23/91	JAE

NOTE: The duplicates for Gross Alpha & Gross Beta are reported as actual difference rather than percent difference as specified.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-18-1991

LAB SAMPLE # : 9101203-01A
ANALYSIS DATE : 01/17/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	0	116	116	103	103	12
HEPTACHLOR	100	0	117	117	102	102	14
ALDRIN	100	0	117	117	100	100	16
DIELDRIN	100	0	121	121	104	104	15
ENDRIN	100	0	120	120	85	85	34 *
4,4-DDT	100	0	114	114	86	86	28 *

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	56	123	15	46	127	50
HEPTACHLOR	48	131	20	35	130	31
ALDRIN	48	120	22	34	132	43
DIELDRIN	52	126	18	31	134	38
ENDRIN	56	121	21	42	139	45
4,4-DDT	38	127	27	23	134	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-20-1991

LAB SAMPLE # : 9101202-01a
ANALYSIS DATE : 1/18/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
PICLORAM	100	0	119	119	105	105	13
2,4,5-TP (silver)	100	0	128	128	162	162	23

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
PICLORAM	80	175	30	80	175	30
2,4,5-TP (silver)	80	175	30	80	175	30



CHAIN-OF-CUSTODY RECORD

Page _____ of _____

[illegible]

ORIGINAL - LAB
YELLOW - LIFE

0296

FLOWER

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 30 1991

PO Number: 111402

PO Number SSU

FDHRS Lab# : 83139

FOER Lab# : EB3018

NCDEHR Lab# : 294

SCDHEC Lab# : 96019

For: COMP. SAMPLE

Date Received:

Apr 18 1991

Lab Number : 16697

REPORT OF ANALYSIS

*Friendly Center
2nd Qtr.*

Parameter	Unit	Method	XACC	XPRC	16697
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	115	1.78	<0.000005
Para-dichlorobenzene	mg/L	0.001	105	5.74	<0.001
Vinyl chloride	mg/L	0.001	100	3.53	<0.001
1,1-dichloroethene	mg/L	0.001	100	3.53	<0.001
1,2-dichloroethane	mg/L	0.001	107	5.79	<0.001
1,1,1-trichloroethane	mg/L	0.001	102	3.96	<0.001
Carbon tetrachloride	mg/L	0.001	103	1.43	<0.001
Trichloroethene	mg/L	0.001	102	3.39	<0.001
Tetrachloroethene	mg/L	0.001	95.4	3.99	<0.001
Benzene	mg/L	0.001	103	2.22	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

[Signature]
Jefferson S. Flowers, Ph.D.
Technical Director

Page : 04 : 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-55
MIAMI, FL 33157
FLORIDA, U.S.A.

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350426
Public Water System Name: Friendly Center
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 16697
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date / /
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (check one) Yes ☐ No ☒
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature

Name Dr. Jefferson S. Flowers

Title Technical Director

Laboratory Flowers Chemical Laboratories, Inc.

Date 4/29/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER / ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det. Limit Used	Analysis Date
2946	Ethylene dibromide	16697	.00002	<.000005	EPA504.1	.000005	4/29/91
2969	Para-dichlorobenzene	16697	.075	<0.001	EPA502.2	0.001	4/25/91
2976	Vinyl chloride	16697	0.001	<0.001	EPA502.2	0.001	4/25/91
2977	1,1-dichloroethene	16697	0.007	<0.001	EPA502.2	0.001	4/25/91
2980	1,2-dichloroethane	16697	0.003	<0.001	EPA502.2	0.001	4/25/91
2981	1,1,1-trichloroethane	16697	0.2	<0.001	EPA502.2	0.001	4/25/91
2982	Carbon tetrachloride	16697	0.003	<0.001	EPA502.2	0.001	4/25/91
2984	Trichloroethene	16697	0.003	<0.001	EPA502.2	0.001	4/25/91
2987	Tetrachloroethene	16697	0.003	<0.001	EPA502.2	0.001	4/25/91
2990	Benzene	16697	0.001	<0.001	EPA502.2	0.001	4/25/91
Comments:							



General Offices

1000 Color Place
Apopka, FL 32703
(407) 890-0058

August 14, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re; Lake County - PW
Carlton Village PWS ID #3350152
Morningview PWS ID #3350852
East Lake Homes PWS ID #3350322
→ Friendly Center PWS ID #3350426
Hobby Hills PWS ID #3350544
Palms Mobile Homes PWS ID #3350981
Picciola Island PWS ID #3351009

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis third quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Don B. Corder

Don Corder
General Supervisor

DC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Serving the customers of the Citrus Springs, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
SSU Serv/LANCE
1000 Color Place
Apopka, FL 32703

Date Reported: Aug 7 1991
PO Number: 23255
PO Number SSU Serv.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE
Date Received:

Jul 31 1991 Lab Number : 17419
REPORT OF ANALYSIS

Friendly Center

17419					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	98.2	.762	<0.000005
Para-dichlorobenzene	mg/L	0.001	104	4.84	<0.001
Vinyl chloride	mg/L	0.001	107	.418	<0.001
1,1-dichloroethene	mg/L	0.001	107	.418	<0.001
1,2-dichloroethane	mg/L	0.001	106	1.36	<0.001
1,1,1-trichloroethane	mg/L	0.001	112	1.90	<0.001
Carbon tetrachloride	mg/L	0.001	109	.849	<0.001
Trichloroethene	mg/L	0.001	102	1.46	<0.001
Tetrachloroethene	mg/L	0.001	113	12.2	<0.001
Benzene	mg/L	0.001	99.5	1.36	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Andrew Harrison
Laboratory Manager

Page 1 of 1

Johnnie L. Flowers, P.E.
Johnnie L. Flowers, P.E.
481 NEWBURYPORT
P.O. BOX 130-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
ELE (407) 339-5984
FAX (407) 260-6110

0301

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350426
Public Water System Name: Friendly Center
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic X___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17419
Sample Location (be specific): #1 Well
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Compost
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special
Sampler Name, Title Phone: Lance Shuckler

ANALYSIS INFORMATION

Extraction Date: / /
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: [Signature]

Name: Andrew B. Harrison Mail Results to the
Title: Laboratory Manager Appropriate DER or ACPHU Office:
Laboratory: Flowers Chemical Laboratories, Inc.
Date: 8/7/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17419	.00002	<.000005	EPA504.1	.000005	8/5/91
2969	Para-dichlorobenzene	17419	.075	<0.001	EPA502.2	0.001	8/1/91
2976	Vinyl chloride	17419	0.001	<0.001	EPA502.2	0.001	8/1/91
2977	1,1-dichloroethene	17419	0.007	<0.001	EPA502.2	0.001	8/1/91
2980	1,2-dichloroethane	17419	0.003	<0.001	EPA502.2	0.001	8/1/91
2981	1,1,1-trichloroethane	17419	0.2	<0.001	EPA502.2	0.001	8/1/91
2982	Carbon tetrachloride	17419	0.003	<0.001	EPA502.2	0.001	8/1/91
2984	Trichloroethene	17419	0.003	<0.001	EPA502.2	0.001	8/1/91
2987	Tetrachloroethene	17419	0.003	<0.001	EPA502.2	0.001	8/1/91
2990	Benzene	17419	0.001	<0.001	EPA502.2	0.001	8/1/91

Comments:

FORM Lab 03000
FORM Lab 00100
MODIFIED Lab 200
SCHEM Lab 00010

ANALYTICAL & CONSULTING CHEMISTS
CHART OF CUSTODY RECORD
DRINKING WATER 17-930

Att: Don Corde

(1) Client SSU Services		(2) Address		(3) Phone								
(4) Public Drinking Water ID #		(5) Public Water System Name:										
(6) Project #		(8) Public Water System Type										
(7) ID# 23255		☐ Community ☐ Non-Community ☐ Special Non-Community										
1g) 16	Preservative	Plastic Containers			Glass Containers	NOTES: 9) Turn Around Time: 10 Working Days: 5 Working Days: 3 Working Days: 1 Working Day: Other:						
	1-100	1200ml	125ml	250ml	500ml		1L	1/2 Liter-Pop Bag	1/40ml	1250ml	1500ml	1L
(10) Kit Relinquished:		(11) Date		(12) Date Received		(13) Date						
		(14) Time				(15) Time						

5 wells
PLZ Composite

2) SAMPLE INFORMATION; SAMPLE DATE: MONTH _____ DATE _____ YEAR _____
 SAMPLE TYPE (check all applicable): ☐ check, ☐ regular distribution
☐ composite, ☐ clearance, ☐ max residence time, ☐ plant tap,
☐ raw, ☐ well, ☐ resample _____, ☐ special _____
 SAMPLER'S NAME: _____ TITLE: _____ PHONE: _____
 SAMPLER'S SIGNATURE: _____

NOTES:

VOA → 555
1 Carlton Village 142 East Lake Harris
556 Friendly Center, 562 Morning View

1) Parameter Group(s) Analyzed: Inorganic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable;	Turbidity; Inorganic; Volatile Organic;
---	---

2) Laboratory Number

3) Client Sample Identification

17419	01
	02
	03
	04
	05
	06
	07
	08
	09
	10

4) Collector's Signature:

5) Transporter's Signature:

6) Lab Acceptance By:

Signature	Date	Time
<i>[Signature]</i>	7-31-91	
<i>[Signature]</i>	7-31-91	15:45
<i>[Signature]</i>	7/31/91	3:45



October 28, 1991

General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Lake County PW
Carlton Village PWS ID #3350152
East Lake Harris PWS ID #3350322
✓ Friendly Center PWS ID #3350426
Morningview PWS ID #3350852

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis, ^{4th} ~~third~~ quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Serving the customers of the Citrus Springs, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Oct21 1991

PO Number: L114851

PO Number Carlton Vill.

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: #555,556,557,562

Date Received:

Oct16 1991

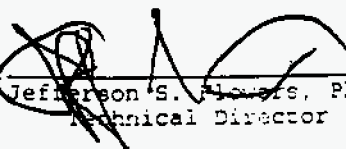
Lab Number : 18035

REPORT OF ANALYSIS

18035					
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	111	2.25	<0.000005
Para-dichlorobenzene	mg/L	0.001	93.5	1.54	<0.001
Vinyl chloride	mg/L	0.001	107	1.94	<0.001
1,1-dichloroethene	mg/L	0.001	107	1.94	<0.001
1,2-dichloroethane	mg/L	0.001	106	1.35	<0.001
1,1,1-trichloroethane	mg/L	0.001	108	2.17	<0.001
Carbon tetrachloride	mg/L	0.001	106	1.68	<0.001
Trichloroethene	mg/L	0.001	105	.894	<0.001
Tetrachloroethene	mg/L	0.001	103	2.58	<0.001
Benzene	mg/L	0.001	105	1.16	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALDAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5784
FAX (407) 250-0110

0306

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350426
Public Water System Name: Friendly Center
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 18035
Sample Location (be specific): #1 well
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special
Sampler Name, Title Phone: Brian Heath

ANALYSIS INFORMATION

Extraction Date / /
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 10/19/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18035	.00002	<.000005	EPA504.1	.000005	10/17/91
2969	Para-dichlorobenzene	18035	.075	<0.001	EPA502.2	0.001	10/17/91
2976	Vinyl chloride	18035	0.001	<0.001	EPA502.2	0.001	10/17/91
2977	1,1-dichloroethene	18035	0.007	<0.001	EPA502.2	0.001	10/17/91
2980	1,2-dichloroethane	18035	0.003	<0.001	EPA502.2	0.001	10/17/91
2981	1,1,1-trichloroethane	18035	0.2	<0.001	EPA502.2	0.001	10/17/91
2982	Carbon tetrachloride	18035	0.003	<0.001	EPA502.2	0.001	10/17/91
2984	Trichloroethene	18035	0.003	<0.001	EPA502.2	0.001	10/17/91
2987	Tetrachloroethene	18035	0.003	<0.001	EPA502.2	0.001	10/17/91
2990	Benzene	18035	0.001	<0.001	EPA502.2	0.001	10/17/91

Comments:



CHEMICAL
LABORATORIES
INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-198

FOER Lab 22012
FOHR Lab 22128
NEEDHAM Lab 226
SCHEC Lab 22019

ATTN: Don Corde

(1) Client <u>SSU</u>		(2) Address <u>1000 COLOR PLACE</u> <u>APOPKA, FL 32703</u>		(3) Phone <u>880-0058</u>	
(4) Public Drinking Water ID #		(5) Public Water System Name:			
(6) Project # <u>MP05 L 114551</u>		(8) Public Water System Type ☒ Community ☐ Non-Community ☐ Special Non-Community			
		Preservative		Plastic Containers	
		Glass Containers		NOTE:	
		100ml		(12) Turn Around Time:	
		250ml		10 Working Days:	
		500ml		5 Working Days:	
		1L		3 Working Days:	
		2L		1 Working Day:	
		4L		Other	
(16) <u>15</u>		☒		CARLTON VILLAGE (2 WELLS)	
				E.L.K. HARRIS (1 WELL)	
				FRIENDLY CENTER (1 WELL)	
				MORRISVILLE (1 WELL)	
(17) Kit Relinquished:		(17) Date		(8) Kit Received	
		(17) Time		(9) Date	
(10) Parameter Group(s) Analyzed:		(9) Time			
Turbidity; Inorganic; Trihalomethane; Volatile Organic					
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide					
Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable					

(18) Laboratory Number

(11) Client Sample Identification

#1	#555 W-1	3
#2	#556 W-2	3
#3	#557 W-3	3
#4	#558 W-4	3
#5	#562 W-5	3
#6		
#7		
#8		
#9		
#10		

(13) Collector's Signature:

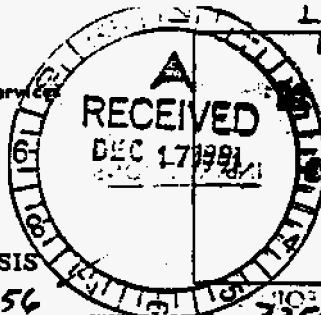
(14) Transporter's Signature:

(15) Lab Acceptance By:

<u>Don Corde</u>	Date	Time
<u>10/16/91</u>	<u>10-16-91</u>	<u>3:44</u>

Over for numbered instructions.

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231



LD NO. 13003
REC'D FOR ORISE ONLY
DEC 17 1991
B. K. JAMES

verbal
12/17
8:30
12/12

**DRINKING WATER
BACTERIOLOGICAL ANALYSIS**

SYSTEM NAME: Friendly Center #556 SYSTEM ID. NO.: 3350426 SYSTEM PHONE #: 904-787-4504
ADDRESS: Monroe Ave COUNTY: Duval DISTRICT: Central
COLLECTOR: Donna W. Moore COLLECTOR PHONE #: 904-326-1410
SAMPLE SITE (locality or subdivision): Artatula
DATE AND TIME COLLECTED: 12/16/91 2:00pm
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other (Specify)
(Check box) [] Distribution [] TNTC or C [] Turbid
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB			
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	ANALYSIS METHOD: MP	TNTC	PMO-MUG	PA
W	Well	0	✓	050024	✓		
T	Tank	15	75	050025	A		
R-1	Place of Grace	15	✓	050026	A		
R-2	25712 Madison	12	✓	050027	A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNTC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

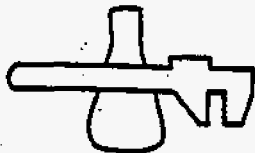
SSU Service
1000 Color Place
Apopka, Florida 32703

- () SATISFACTORY
- () INCOMPLETE COLLECTION INFORMATION
- () REPEAT SAMPLES
- () REPLACEMENT SAMPLES

REVIEWING OFFICIAL: weel

TITLE: weel

HHS Form 888, Jan 91 (Obsolete previous editions which may not be used)
(Print Number: 9100-000-5081-4)



PLANT TECHNICIANS LABORATORY

P.O. Box 447 Fruitland Pk, FL 34731

LAB: 904/787-6689
ADMIN: 904/787-2944
Nº 8734

Certified Plant Operators • Consultation • Water and Wastewater Testing

DATE COLLECTED 12/18/91	TIME 3:30PM	COUNTY Lake	COLLECTOR Dennis W. Marx	TIME REC'D 9:40AM	DATE TESTED 12/19/91							
TYPE OF SUPPLY	CITY/TOWN	S/D	TNR PR	RV	SCHOOL	BOTTLED	MOTEL	REST	BARRY	POOL	HOME	OTHER
		X										
NAME OF S/S OR LOCALITY BEING SAMPLED Friendly Center #556						NAME OR LOCATION OF WATER PLANT Astatula						
TYPE OF SAMPLE	ROUTINE	RE-CHECK	MAIN CLEARANCE	WELL SURVEY	OTHER 12/91 compliance failure							
		X										
LAB	PLANT TECHNICIANS, INC. HRS # 83289					SYSTEM I.D. NO. 3350426						

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. Services
1000 Color Place
Apopka, FL 32703

LAB REMARKS & SIGNATURE

Samples collected by client.

J.C. BRANHAM PRES./DIRECTOR

LAB. NO.	COLL. NO.	SAMPLING POINT	APPEAR- ANCE	RES D	PH	LB 45	SG 45	MPH 100 MLS	MP 100 MLS	NON- COLIFORM
91-12 394	1	Well	CL	0.0					A	A

WATER ANALYSIS PERFORMED

TOTAL COLIFORM

D.E.R. USE ONLY

P-Coliforms are present
A-Coliforms are absent
C-Confluent growth
TNTC-Too numerous to count
TA-Turbid, Absence of gas or acid

INTERPRETATIONS-RECOMMENDATIONS

AT TIME SAMPLE TAKEN:

- ☒ SATISFACTORY
☐ UNSATISFACTORY
☐
☐ RE-SUBMIT

PS870623

BY

NAME

TITLE

Golden Terrace - 992

Citrus County (SSU)

Water

- 1992 FPSC Filing -

Golden Terrace

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	8/91
Organic	8/91
Volatile Organic Chemicals	1/91
	3/91
	7/91
	10/91
Turbidity	8/91
Microbiological	12/91
Radionuclide	8/91
Secondary Contaminants	8/91
Unregulated Contaminants	1/91

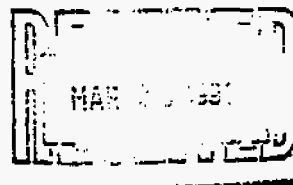


To Clara

**Citrus Springs Office,
General Manager Office**

9840 N. Citrus Springs Blvd.
Citrus Springs, FL 32630
(904) 489-2452

March 5, 1991



Ms. Cece Featheringill
Environmental Specialist II
Department of Environmental Regulation
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Dear Ms. Featheringill:

Find attached the results for the first quarterly tests taken for volatile organics, unregulated organic purgeables, unregulated organic pesticide, unregulated base neutral extractable and unregulated acid extractable per DER Drinking Water Standards 17550 for the following water plants in Citrus County, Pine Ridge - composite, Crystal River, Gospel Island, Apache Shores - composite, Point O'Woods, Golden Terrace composite, Oak Forest, Rosemont and Rolling Green composite.

If there are any questions, please don't hesitate to call.

Sincerely,

R.B. Williams

R.B. Williams, General Manager
Pine Ridge & SSU County Plants

REW:or

Attachments

cc: Charles L. Sweat ✓
Chris Arcand
Frank Sanderson
File

CHEMICAL
LABORATORIES
INCORPORATED

Received From:
Citrus Sprg.
9840 N.CitrusSprgBlv
CitrusSprg,FL 32630

Date Reported: Feb15 1991
PO Number: Citrus Springs
PO Number B19018
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: PW 1,2,3/6T-1&2
Date Received:

Jan24 1991

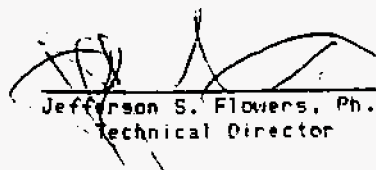
Lab Number : 16097

REPORT OF ANALYSIS

16097					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	82.9	4.73	<0.000005
Para-dichlorobenzene	mg/L	0.001	104	.552	<0.001
Vinyl chloride	mg/L	0.001	88.9	1.25	<0.001
1,1-dichloroethene	mg/L	0.001	88.9	1.25	<0.001
1,2-dichloroethane	mg/L	0.001	102	5.02	<0.001
1,1,1-trichloroethane	mg/L	0.001	95.1	.853	<0.001
Carbon tetrachloride	mg/L	0.001	92.4	.331	<0.001
Trichloroethene	mg/L	0.001	99.5	.655	<0.001
Tetrachloroethene	mg/L	0.001	96.9	.330	<0.001
Benzene	mg/L	0.001	95.1	3.71	<0.001
Chloromethane	mg/L	0.001	112	1.44	<0.001
Dichlorodifluorometh	mg/L	0.001	92.4	.331	<0.001
Bromomethane	mg/L	0.001	112	1.44	<0.001
Chloroethane	mg/L	0.001	88.9	1.25	<0.001
Trichlorofluorometha	mg/L	0.001	92.4	.331	<0.001
trans-1,3,-dichlorop	mg/L	0.001	85.9	1.45	<0.001
cis-1,3-dichloroprop	mg/L	0.001	100	8.83	<0.001
Methyl-tert-butyleth	mg/L	0.001	115	11.5	<0.001
cis-1,2-dichloroethe	mg/L	0.001	100	8.83	<0.001
Dibromomethane	mg/L	0.001	112	1.44	<0.001
1,1-dichloropropene	mg/L	0.001	88.9	1.25	<0.001
1,3-dichloropropane	mg/L	0.001	85.9	1.45	<0.001
1,2,3-trichloropropa	mg/L	0.001	107	3.86	<0.001
2,2-dichloropropane	mg/L	0.001	88.9	1.25	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	107	3.86	<0.001
Chloroform	mg/L	0.001	96.3	.654	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

FLOWERS



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:
Citrus Sprg.
9840 N.CitrusSprgBlv
CitrusSprg,FL 32630

Date Reported: Feb15 1991
PO Number: Citrus Sprgs.
PO Number B19018
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: PW 1,2,3/6T-1&2
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Jan24 1991

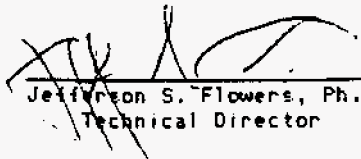
Lab Number : 16097

REPORT OF ANALYSIS

					16097
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Bromoform	mg/L	0.001	115	15.2	<0.001
Bromodichloromethane	mg/L	0.001	94.4	.047	<0.001
Dibromochloromethane	mg/L	0.001	103	12.4	<0.001
p-xylene	mg/L	0.001	93.9	1.40	<0.001
Methylene chloride	mg/L	0.001	112	1.44	<0.001
o-chlorotoluene	mg/L	0.001	93.9	1.40	<0.001
p-chlorotoluene	mg/L	0.001	107	1.15	<0.001
m-dichlorobenzene	mg/L	0.001	102	.044	<0.001
o-dichlorobenzene	mg/L	0.001	102	.003	<0.001
1,1-dichloroethane	mg/L	0.001	87.2	.596	<0.001
trans-1,2-dichloroet	mg/L	0.001	85.9	1.45	<0.001
1,2-dichloropropane	mg/L	0.001	96.1	.675	<0.001
1,1,2-trichloroethan	mg/L	0.001	108	11.4	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	93.9	1.40	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	103	7.73	<0.001
Chlorobenzene	mg/L	0.001	95.9	1.60	<0.001
Toluene	mg/L	0.001	107	1.15	<0.001
Ethylbenzene	mg/L	0.001	88.0	5.12	<0.001
Bromobenzene	mg/L	0.001	95.9	1.60	<0.001
m-xylene	mg/L	0.001	93.9	1.40	<0.001
Styrene	mg/L	0.001	107	1.15	<0.001
o-xylene	mg/L	0.001	93.9	1.40	<0.001
Dalapon	mg/L	0.000001	95.3	2.85	<0.000001
Oxamyl (Vydate)	mg/L	0.002	99.0	0.00	<0.002
Simazine	mg/L	0.007	101	0.83	<0.007
Picloram	mg/L	0.00007	106	3.61	<0.00007

Data Release Authorization

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Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALHAMBRA SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

FLOWERS



**CHEMICAL
LABORATORIES
INCORPORATED**

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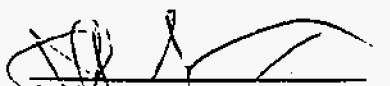
Lab Number : 16097

REPORT OF ANALYSIS

					16097
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	106	3.28	<0.00001
Aldicarb sulfoxide	mg/L	0.002	95.0	7.44	<0.002
Aldicarb sulfone	mg/L	0.002	100	7.86	<0.002
Metolachlor	mg/L	0.0005	108	4.60	<0.0005
Carbofuran	mg/L	0.001	96.0	5.24	<0.001
Aldicarb	mg/L	0.002	97.7	0.00	<0.002
Atrazine	mg/L	0.002	101	0.65	<0.002
Alachlor (Lasso)	mg/L	0.0002	107	3.91	<0.0002
Heptachlor	mg/L	0.000005	107	3.99	<0.000005
Aldrin	mg/L	0.00007	109	5.35	<0.00007
Dieldrin	mg/L	0.00001	107	4.26	<0.00001
Dicamba	mg/L	0.00001	108	4.64	<0.00001
Chlordane	mg/L	0.00001	99.0	0.58	<0.00001
Pentachlorophenol	mg/L	0.005	90.8	5.60	<0.005
Hexachlorocyclopenta	mg/L	0.001	100	0.02	<0.001
Dioxin	mg/L	0.00001	98.2	3.23	<0.00001
Isophorone	mg/L	0.001	99	1.41	<0.001
2,4-dinitrotoluene	mg/L	0.001	103	3.53	<0.001
Dimethylphthalate	mg/L	0.001	100	0.34	<0.001
Diethylphthalate	mg/L	0.001	98.6	2.02	<0.001
Di-n-butylphthalate	mg/L	0.001	101	0.79	<0.001
Butyl benzyl phthala	mg/L	0.001	97.7	3.38	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	99.2	1.11	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.7	0.37	<0.001
PCB-1016	mg/L	0.0001	99.2	3.72	<0.0001
PCB-1221	mg/L	0.0001	93.5	3.97	<0.0001

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Jefferson S. Flowers, Ph.D.
Technical Director

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Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 250-6110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

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Citrus Sprg.
9840 N.CitrusSprgBlv
CitrusSprg,FL 32630

Date Reported: Feb15 1991
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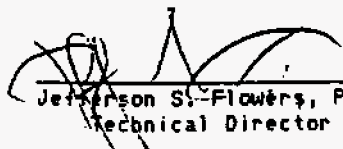
Lab Number : 16097

REPORT OF ANALYSIS

					16097
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
PCB-1232	mg/L	0.0001	96.0	2.41	<0.0001
PCB-1242	mg/L	0.0001	93.0	4.25	<0.0001
PCB-1248	mg/L	0.0001	99.7	3.44	<0.0001
PCB-1254	mg/L	0.0001	106	3.18	<0.0001
PCB-1260	mg/L	0.0001	94.0	3.69	<0.0001
Diocetylphthalate	mg/L	0.001	98.9	1.55	<0.001
2-chlorophenol	mg/L	0.001	101	2.05	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	106	7.47	<0.001
Phenol	mg/L	0.001	84.1	26.7	<0.001
2,4,6-trichloropheno	mg/L	0.001	93.3	10.1	<0.001

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Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALABAMA SPRINGS
FLORIDA 32715-0597
BUS (407) 539-5984
FAX (407) 260-6110

0318

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: POINT F WOODS - 6091422 - GOLDEN TERRACE-6090674

Public Water System Name _____

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic ☒; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Purgeable ☒; Unregulated Organic Pesticide ☒;

Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;

Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____

Laboratory Sample Number 18097

Sample Location (be specific): POINT F WOODS WELLS 1-2-3 GOLDEN TERRACE WELLS 1-2

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composit

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: ROBERT DODGE

9-4 489-2452

ANALYSIS INFORMATION

Extraction Date 1/31/81

Laboratory Cont. Dr. J.S. Flowers

Resample Requested? (check) ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;

Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name Dr. Jefferson S. Flowers

Title Technical Director

Laboratory Flowers Chemical Laboratories, Inc.

Date 2/15/81

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 08/01/81 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16097	.00002	<0.000005	EPA504.1	.000005	2/5/91
2969	Para-dichlorobenzene	16097	.075	<0.001	EPA502.2	0.001	1/31/91
2976	Vinyl chloride	16097	0.001	<0.001	EPA502.2	0.001	1/31/91
2977	1,1-dichloroethene	16097	0.007	<0.001	EPA502.2	0.001	1/31/91
2980	1,2-dichloroethane	16097	0.003	<0.001	EPA502.2	0.001	1/31/91
2981	1,1,1-trichloroethane	16097	0.2	<0.001	EPA502.2	0.001	1/31/91
2982	Carbon tetrachloride	16097	0.003	<0.001	EPA502.2	0.001	1/31/91
2984	Trichloroethene	16097	0.003	<0.001	EPA502.2	0.001	1/31/91
2987	Tetrachloroethene	16097	0.003	<0.001	EPA502.2	0.001	1/31/91
2990	Benzene	16097	0.001	<0.001	EPA502.2	0.001	1/31/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16097		<0.001	EPA502.2	0.001	1/31/91
2212	Dichlorodifluoromethane	16097		<0.001	EPA502.2	0.001	1/31/91
2214	Bromomethane	16097		<0.001	EPA502.2	0.001	1/31/91
2216	Chloroethane	16097		<0.001	EPA502.2	0.001	1/31/91
2218	Trichlorofluoromethane	16097		<0.001	EPA502.2	0.001	1/31/91
2224	trans-1,3.-dichloropropene	16097		<0.001	EPA502.2	0.001	1/31/91
2228	cis-1,3-dichloropropene	16097		<0.001	EPA502.2	0.001	1/31/91
2251	Methyl-tert-butylether	16097		<0.001	EPA502.2	0.001	1/31/91
2380	cis-1,2-dichloroethene	16097		<0.001	EPA502.2	0.001	1/31/91
2408	Dibromomethane	16097		<0.001	EPA502.2	0.001	1/31/91
2410	1,1-dichloropropane	16097		<0.001	EPA502.2	0.001	1/31/91
2412	1,3-dichloropropane	16097		<0.001	EPA502.2	0.001	1/31/91
2414	1,2,3-trichloropropane	16097		<0.001	EPA502.2	0.001	1/31/91
2416	2,2-dichloropropane	16097		<0.001	EPA502.2	0.001	1/31/91
2931	1,2-dibromo-3-chloropropane	16097		<0.001	EPA502.2	0.001	1/31/91
2941	Chloroform	16097		<0.001	EPA502.2	0.001	1/31/91
2942	Bromoform	16097		<0.001	EPA502.2	0.001	1/31/91
2943	Bromodichloromethane	16097		<0.001	EPA502.2	0.001	1/31/91
2944	Dibromochloromethane	16097		<0.001	EPA502.2	0.001	1/31/91
2962	p-xylene	16097		<0.001	EPA502.2	0.001	1/31/91
2964	Methylene chloride	16097		<0.001	EPA502.2	0.001	1/31/91
2965	o-chlorotoluene	16097		<0.001	EPA502.2	0.001	1/31/91
2966	p-chlorotoluene	16097		<0.001	EPA502.2	0.001	1/31/91
2967	m-dichlorobenzene	16097		<0.001	EPA502.2	0.001	1/31/91
2968	o-dichlorobenzene	16097		<0.001	EPA502.2	0.001	1/31/91
2978	1,1-dichloroethane	16097		<0.001	EPA502.2	0.001	1/31/91
2979	trans-1,2-dichloroethyl	16097		<0.001	EPA502.2	0.001	1/31/91
2983	1,2-dichloropropane	16097		<0.001	EPA502.2	0.001	1/31/91
2985	1,1,2-trichloroethane	16097		<0.001	EPA502.2	0.001	1/31/91
2986	1,1,1,2-tetrachloroethane	16097		<0.001	EPA502.2	0.001	1/31/91
2988	1,1,2,2-tetrachloroethane	16097		<0.001	EPA502.2	0.001	1/31/91
2989	Chlorobenzene	16097		<0.001	EPA502.2	0.001	1/31/91

2991	Toluene	16097	<0.001	EPA502.2	0.001	1/31/91
2992	Ethylbenzene	16097	<0.001	EPA502.2	0.001	1/31/91
2993	Bromobenzene	16097	<0.001	EPA502.2	0.001	1/31/91
2995	m-xylene	16097	<0.001	EPA502.2	0.001	1/31/91
2996	Styrene	16097	<0.001	EPA502.2	0.001	1/31/91
2997	o-xylene	16097	<0.001	EPA502.2	0.001	1/31/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16097		<0.000001	EPA515	0.000001	2/14/91
2036	Oxamyl (Vydate)	16097		<0.002	EPA531	0.002	2/14/91
2037	Simazine	16097		<0.007	EPA505	0.007	2/14/91
2040	Picloram	16097		<0.00007	EPA515	0.00007	2/14/91
2041	Dinoseb	16097		<0.00001	EPA515	0.00001	2/14/91
2043	Aldicarb sulfoxide	16097		<0.002	EPA531	0.002	2/14/91
2044	Aldicarb sulfone	16097		<0.002	EPA531	0.002	2/14/91
2045	Metolachlor	16097		<0.0005	EPA505	0.0005	2/14/91
2046	Carbofuran	16097		<0.001	EPA531	0.001	2/14/91
2047	Aldicarb	16097		<0.002	EPA531	0.002	2/14/91
2050	Atrazine	16097		<0.002	EPA505	0.002	2/14/91
2051	Alachlor (Lasso)	16097		<0.0002	EPA505	0.0002	2/14/91
2065	Heptachlor	16097		<0.000005	EPA508	0.000005	2/14/91
2356	Aldrin	16097		<0.00007	EPA508	0.00007	2/14/91
2364	Dieldrin	16097		<0.00001	EPA508	0.00001	2/14/91
2440	Dicamba	16097		<0.00001	EPA515	0.00001	2/14/91
2959	Chlordane	16097		<0.00001	EPA508	0.00001	2/14/91
9114	Pentachlorophenol	16097		<0.005	EPA515	0.005	2/14/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16097		<0.001	EPA508	0.001	2/13/91
2063	Dioxin	16097		<0.00001	EPA613	0.00001	2/13/91
2262	Isophorone	16097		<0.001	EPA609	0.001	2/12/91
2270	2,4-dinitrotoluene	16097		<0.001	EPA608	0.001	2/12/91
2282	Dimethylphthalate	16097		<0.001	EPA606	0.001	2/12/91
2284	Diethylphthalate	16097		<0.001	EPA606	0.001	2/12/91
2290	Di-n-butylphthalate	16097		<0.001	EPA606	0.001	2/12/91
2294	Butyl benzyl phthalate	16097		<0.001	EPA606	0.001	2/12/91
2298	Bis(2-ethylhexyl)phthalate	16097		<0.001	EPA606	0.001	2/12/91
2378	1,2,4-trichlorobenzene	16097		<0.001	EPA612	0.001	2/12/91
2388	PCB-1016	16097		<0.0001	EPA505	0.0001	2/13/91
2390	PCB-1221	16097		<0.0001	EPA505	0.0001	2/13/91
2392	PCB-1232	16097		<0.0001	EPA505	0.0001	2/13/91
2394	PCB-1242	16097		<0.0001	EPA505	0.0001	2/13/91
2396	PCB-1248	16097		<0.0001	EPA505	0.0001	2/13/91
2398	PCB-1254	16097		<0.0001	EPA505	0.0001	2/13/91

2400	PCB-1260	16097	<0.0001	EPA505	0.0001	2/13/91
9089	Diethylphthalate	16097	<0.001	EPA606	0.001	2/12/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16097		<0.001	EPA604	0.001	2/12/91
9112	2-methyl-4,6-dinitophe	16097		<0.001	EPA604	0.001	2/12/91
9115	Phenol	16097		<0.001	EPA604	0.001	2/12/91
9116	2,4,6-trichlorophenol	16097		<0.001	EPA604	0.001	2/12/91

Comments:



FDER	Lab	ES0018
FCIMR	Lab	ES128
HCDEHNR	Lab	294
SCNDEC	Lab	20019

**ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550**

[illegible]

12) SAMPLE INFORMATION; SAMPLE DATE: MONTH 1 DATE 23 YEAR 91
 SAMPLE TYPE (check all applicable); () check, () regular distribution
 (☒) composite, () clearance, () max residence time, () plant tap,
 () raw, () well, () resample _____, () special _____
 SAMPLER'S NAME: R. B. GUSTAFSON TITLE: Operator PHONE: 451-2452
 SAMPLER'S SIGNATURE: [Signature]
 NOTES:

Composite with Point Woods wells #1, 2, 43

(i) Parameter Group(s) Analysed: Turbidity; Inorganic; Trichloromethane; Volatile Organic X;
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgeable X;
Unregulated Organic Pesticide X; Unregulated Base Neutral Extractable X; Unregulated Acid Extractable X;

Q4) Laboratory Number		Q5) Client Sample Identification	
11697	#1	Golden Terr	Well 1 Golden Terr
	#2	"	"
	#3	"	"
	#4	"	"
	#5	Golden Terr	Well 2 (Golden Terr)
	#6	"	"
	#7	"	"
	#8	"	"
	#9		
	#10		
Q6) Collector's Signature: <u>Dr. P. R. ...</u>		Date: <u>10/30</u>	Time: <u>10:30 am</u>
Q7) Transporter's Signature: <u>[Signature]</u>			
Q8) Lab Acceptance By: <u>[Signature]</u>		<u>1/24/91</u>	<u>5:30</u>

OVER FOR INSTRUCTIONS FOR COMPLETION

0323



**Citrus Springs Office
General Manager Office**

9840 N. Citrus Springs Blvd.
Citrus Springs, FL 32630
(804) 489-2452

April 23, 1991

Ms. Cece Featheringill
Environmental Specialist II
Department Of Environmental Regulation
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Dear Ms. Featheringill:

Find attached the results for the second quarterly tests taken for volatile organics per DER Drinking Water Standards 17550 for the following water plants in Citrus County: Pine Ridge - composite, Crystal River, Gospel Island, Apache Shores - composite, Point O'Woods, Golden Terrace - composite, Oak Forest, Rosemont and Rolling Green, composite.

If there are any questions, please don't hesitate to call.

Sincerely,

R.B. Williams, General manager
Pine Ridge & SSU Citrus County Plants

RBW:sr

Attachments

cc: Charles L. Sweat
Chris Arcand

Serving the customers of the Citrus Springs, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard, Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

FLOWERS



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:
Citrus Sngs. Unit,
9840 N. Citrus Sngs Hwy
Citrus Sng, FL 32630

Date Reported: Apr 9 1991
PO Number: B91019
PO Number Citrus Sngs.
FCHPS Lab# : 93139
FDER Lab# : ER3018
NCDEHHR Lab# : 1296
SCDHEC Lab# : 96019

For: POINT OF WOODS/GOLDEN TERR.

Date Received: Mar 28 1991

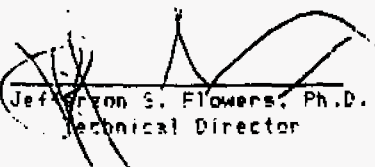
Lab Number : 16560

REPORT OF ANALYSIS

Parameter	Unit	Method	16560		
			CONC	MPRC	
		Detection Limit			
Ethylene dibromide	mg/L	0.000005	82.8	12.3	<0.000005
Para-dichlorobenzene	mg/L	0.001	115	9.65	<0.001
Vinyl chloride	mg/L	0.001	108	.790	<0.001
1,1-dichloroethene	mg/L	0.001	108	.790	<0.001
1,2-dichloroethane	mg/L	0.001	112	9.27	<0.001
1,1,1-trichloroethane	mg/L	0.001	101	.406	<0.001
Carbon tetrachloride	mg/L	0.001	102	1.06	<0.001
Trichloroethene	mg/L	0.001	112	.654	<0.001
Tetrachloroethene	mg/L	0.001	119	5.18	<0.001
Benzene	mg/L	0.001	93.8	.469	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTA SPRINGS
FLORIDA 32715-0597
BUS (407) 330-5986
FAX (407) 260-6190

0325

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16560	.00002	<.000005	EPA504.1	.000005	4/8/91
2969	Para-dichlorobenzene	16560	.075	<0.001	EPA502.2	0.001	3/30/91
2976	Vinyl chloride	16560	0.001	<0.001	EPA502.2	0.001	3/30/91
2977	1,1-dichloroethene	16560	0.007	<0.001	EPA502.2	0.001	3/30/91
2980	1,2-dichloroethane	16560	0.003	<0.001	EPA502.2	0.001	3/30/91
2981	1,1,1-trichloroethane	16560	0.2	<0.001	EPA502.2	0.001	3/30/91
2982	Carbon tetrachloride	16560	0.003	<0.001	EPA502.2	0.001	3/30/91
2984	Trichloroethene	16560	0.003	<0.001	EPA502.2	0.001	3/30/91
2987	Tetrachloroethene	16560	0.003	<0.001	EPA502.2	0.001	3/30/91
2990	Benzene	16560	0.001	<0.001	EPA502.2	0.001	3/30/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: Point of Woods - 6091422 - Golden Trench - 6090674

Public Water System Name

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 18560

Sample Location (be specific): Point of Woods wells 1-2-3 Golden Trench wells 1+2

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: Robert Bergsma Operator

904-484-2452

ANALYSIS INFORMATION

Extraction Date: 1/1

Laboratory Cont. Dr. J.S. Flowers

Resample Requested? (che ☐ Yes

☒ No

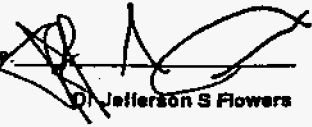
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name

Dr. Jefferson S. Flowers

Title

Technical Director

Laboratory

Flowers Chemical Laboratories, Inc.

Date

4/8/91

Mail Results to the

Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory



**Citrus Springs Office
General Manager Office**

9840 N. Citrus Springs Blvd.
Citrus Springs, FL 32630
(904) 488-2452

July 22, 1991

Ms. Cece Featheringill
Environmental Specialist II
Department Of Environmental Regulation
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Dear Ms. Featheringill:

Find attached the results for the third quarterly tests taken for volatile organics per DER Drinking Water Standards 17550 for the following water plants in Citrus County: Pine Ridge - composite, Crystal River, Gospel Island, Apache Shores - composite, Point O'Woods, Rosemont and Rolling Green - composite.

If there are any questions, please call.

Sincerely,

R.B. Williams, Area Supervisor
Pine Ridge and SSU County Plants

RBW:ar

Attachments

cc: Charles L. Sweat
Chris Arcand

Serving the customers of the Citrus Springs, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern Shores, Spring Hill, Sunray Hills and Venice Gardens utilities.

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
Citrus Springs
9840 N.CitrusSprgs.B
CitrusSprgs,FL 32630

Date Reported: Jul15 1991
PO Number: 891018
PO Number Citrus Co-900
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: GOLDEN TERR.
Date Received:

Jul 2 1991

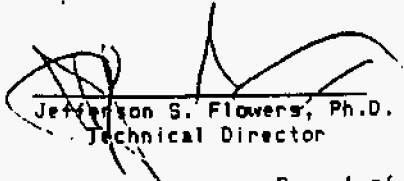
Lab Number : 17252

REPORT OF ANALYSIS

					17252
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	107	7.00	<0.000005
Para-dichlorobenzene	mg/L	0.001	119	3.30	<0.001
Vinyl chloride	mg/L	0.001	93.7	.278	<0.001
1,1-dichloroethene	mg/L	0.001	93.7	.278	<0.001
1,2-dichloroethane	mg/L	0.001	97.3	1.54	<0.001
1,1,1-trichloroethane	mg/L	0.001	94.7	.774	<0.001
Carbon tetrachloride	mg/L	0.001	94.5	.112	<0.001
Trichloroethene	mg/L	0.001	99.0	.225	<0.001
Tetrachloroethene	mg/L	0.001	99.8	1.71	<0.001
Benzene	mg/L	0.001	97.0	.380	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Golden Terrace
Public Water System Type (check one):
☐ Common ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Trihalomethane _____;
Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;
Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;
Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;
Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____
Laboratory Sample Number: 17252
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: ____/____/____
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (che ☐ Yes ☒ No)
ANALYSIS SUBMITTED: Turbidity _____; Inorganic _____; Trihalomethane _____;
Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;
Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;
Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 7/12/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17252	.00002	<.000005	EPA504.1	.000005	7/12/91
2969	Para-dichlorobenzene	17252	.075	<0.001	EPA502.2	0.001	7/6/91
2976	Vinyl chloride	17252	0.001	<0.001	EPA502.2	0.001	7/6/91
2977	1,1-dichloroethene	17252	0.007	<0.001	EPA502.2	0.001	7/6/91
2980	1,2-dichloroethane	17252	0.003	<0.001	EPA502.2	0.001	7/6/91
2981	1,1,1-trichloroethane	17252	0.2	<0.001	EPA502.2	0.001	7/6/91
2982	Carbon tetrachloride	17252	0.003	<0.001	EPA502.2	0.001	7/6/91
2984	Trichloroethene	17252	0.003	<0.001	EPA502.2	0.001	7/6/91
2987	Tetrachloroethene	17252	0.003	<0.001	EPA502.2	0.001	7/6/91
2990	Benzene	17252	0.001	<0.001	EPA502.2	0.001	7/6/91

Comments:

0332

CHAIN OF CUSTODY RECORD

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

Client CITRUS SPRINGS
Address 9540 N. CITRUS SPRINGS BLVD.
CITRUS SPRINGS, FL. 32630
Phone 904-488-2452

FCL Client No. _____
FCL Project Manager L. SEBEC
FCL Lab Coordinator S. WELSH
Requested Due Date: ASAP

P.O. Number 291019
Project Name / No. CITRUS Co. 90000
Contact A.B. Williams

Sampled By (PRINT): JOHN MAINTALIC
John Maintalic 7/1/91
Sampler Signature Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSIS REQUEST
						UNPRESERVED	HNO ₃	H ₂ O ₂	H ₂ SO ₄	
1	COMPOSITE OF ROLLING GREEN 1+2 ROSEMARY W/1	11:00	D.W.	12751						VDCS
2	DALE FOREST 1+2	11:00								
3	COMPOSITE POW 1-2-3	11:00		12752						
4	GOLDEN TEALANCE 1+2									
5	COMPOSITE APALACHE SPRINGS 1-2 CAPITAL RIVER 1+2	11:00		12753						
6	PINE RIDGE 2+3	11:00		12754						

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
UPS		6/17/91		FL	6/17/91	11:30			
SPECIAL INSTRUCTIONS									
NO AIR IN VIALS									

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS



**Citrus Springs Office
General Manager Office**

9840 N. Citrus Springs Blvd.
Citrus Springs, FL 32830
(904) 489-2452

October 22, 1991

Ms. Cece Featheringill
Environmental Specialist II
Department Of Environmental Regulation
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Dear Ms. Featheringill:

Find attached the results for the last quarterly tests taken for volatile organics per DER Drinking Water Standards 17550 for the following water plants in Citrus County: Pine Ridge - composite, Crystal River, Gospel Island, Apache Shores - composite, Point O' Woods, Rosemont and Rolling Green - composite. All tests showing within MCL's. This will put all plants in compliance for the next three years.

Sincerely,

R.B. Williams, Division Supervisor
SSU Services - Citrus County Plants

RBW:ar

Attachments

cc: Charles L. Sweat
Chris Arcand

Serving the customers of the Citrus Springs, Deltona, Mirco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

1000-22 1,245
Golden Terrace ✓

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
Citrus Sprgs.Util.
PO Box 217
Dunnellon, FL 32630

Date Reported: Oct15 1991
PO Number: B91018
PO Number Citrus Sprgs.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 2
Date Received:

Oct10 1991

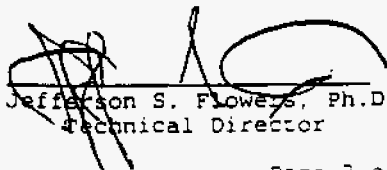
Lab Number : 17958

REPORT OF ANALYSIS

17958					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	107	1.55	<0.000005
Para-dichlorobenzene	mg/L	0.001	92.1	2.02	<0.001
Vinyl chloride	mg/L	0.001	109	2.55	<0.001
1,1-dichloroethene	mg/L	0.001	109	2.55	<0.001
1,2-dichloroethane	mg/L	0.001	108	4.12	<0.001
1,1,1-trichloroethane	mg/L	0.001	111	1.32	<0.001
Carbon tetrachloride	mg/L	0.001	109	.847	<0.001
Trichloroethene	mg/L	0.001	101	1.35	<0.001
Tetrachloroethene	mg/L	0.001	97.5	.548	<0.001
Benzene	mg/L	0.001	105	.244	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
915 (407) 339-5984
FAX (407) 260-6110

0334

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17958	.00002	<.000005	EPA504.1	.000005	10/11/91
2969	Para-dichlorobenzene	17958	.075	<0.001	EPA502.2	0.001	10/11/91
2976	Vinyl chloride	17958	0.001	<0.001	EPA502.2	0.001	10/11/91
2977	1,1-dichloroethene	17958	0.007	<0.001	EPA502.2	0.001	10/11/91
2980	1,2-dichloroethane	17958	0.003	<0.001	EPA502.2	0.001	10/11/91
2981	1,1,1-trichloroethane	17958	0.2	<0.001	EPA502.2	0.001	10/11/91
2982	Carbon tetrachloride	17958	0.003	<0.001	EPA502.2	0.001	10/11/91
2984	Trichloroethene	17958	0.003	<0.001	EPA502.2	0.001	10/11/91
2987	Tetrachloroethene	17958	0.003	<0.001	EPA502.2	0.001	10/11/91
2990	Benzene	17958	0.001	<0.001	EPA502.2	0.001	10/11/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: LO90674
Public Water System Name: Golden Terrace
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17958
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☒ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date / /
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 10/14/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/88 ☐ Satisfactory ☐ Unsatisfactory



SECRET Last 10019

ATTN: Bob Williams

(18)

VOC'S

(18) Laboratory Number	(11) Client Sample Identification	Rosemont well
17957	#1 Composite of Rolling Green wells 1+2	OK Forest 1+2
17958	#2 Composite of PAW 1-2-3	Grider, Tenn. 1+2
17959	#3 Composite of Apache Shale 1+5	Grider River 1+2
17960	#4 Composite Pine Ridge 2+3	
	#5	
	#6	
	#7	
	#8	
	#9	
	#10	
(12) Collectors Signature:	<u>John C. Grier, Jr.</u>	Date: <u>10/8</u>
(14) Transporters Signature:	<u>[Signature]</u>	Time: <u>4:00 PM</u>
(15) Lab Acceptance By:	<u>[Signature]</u>	<u>10/10/91</u>
		<u>10:10</u>

Over for numbered instructions.

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
SSU Serv.
9840 N.CitrusSprng.BI
CitrusSprng,FL 32630

Date Reported: Aug29 1991
PO Number: 6090674/60949
PO Number SSU Serv.
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: GOLDEN TERR.

Date Received: Aug 1 1991 Lab Number : 17421

REPORT OF ANALYSIS

					17421
Parameter	Unit	Method	%ACC	%PREC	
		Detection			
		Limit			
Turbidity	NTU	0.05	113	3.61	24.5
Arsenic	mg/L	0.0005	104	5.93	<0.0005
Barium	mg/L	0.01	111	2.03	<0.01
Cadmium	mg/L	0.001	93.3	.095	<0.001
Chromium	mg/L	0.005	106	.166	<0.005
Fluoride	mg/L	0.05	114	.019	<0.05
Lead	mg/L	0.001	101	5.26	0.0028
Mercury	mg/L	0.0002	89.0	.571	0.00063
Nitrate(as N)	mg/L	0.01	119	4.84	0.15
Selenium	mg/L	0.0005	103	2.96	<0.0005
Silver	mg/L	0.005	97.1	.091	<0.005
Sodium	mg/L	0.002	103	.191	41.2
Endrin	mg/L	0.000001	102	1.52	<0.000001
Lindane	mg/L	0.000001	97.8	1.74	<0.000001
Methoxychlor	mg/L	0.00001	98.8	8.95	<0.00001
Toxaphene	mg/L	0.0001	104	2.18	<0.0001
2,4-D	mg/L	0.00005	95.0	3.72	<0.00005
2,4,5-TP(Silvex)	mg/L	0.00002	93.3	9.48	<0.00002
Calcium	mg/L	0.1	94.4	.624	52.4
Chloride	mg/L	0.015	97.5	.931	6.56
Carbonate CaCO3	mg/L	0.1	94.4		139.9
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	110	.040	0.03
Bicarbonate CaCO3	mg/L	0.1			155.2
Bicarbonate HCO3	mg/L	0.1			0.4
Hydrogen Sulfide	mg/L	0.5			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 4

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Jefferson S. Flowers, Ph.D.
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ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 336-5984
FAX (407) 260-6110

0338

FLOWERS

**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:
SSU Serv.
9840 N.CitrusSprg.B1
CitrusSprg,FL 32630

Date Reported: Aug29 1991
PO Number: 6090674/60949
PO Number SSU Serv.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: GOLDEN TERR.
Date Received:

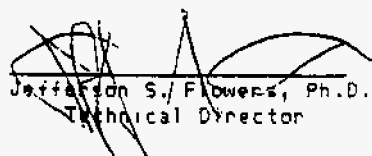
Aug 1 1991 Lab Number : 17421

REPORT OF ANALYSIS

					17421
Parameter	Unit	Method	%ACC	%PREC	
		Detection			
		Limit			
Iron	mg/L	0.01	91.1	1.07	2.12
Magnesium	mg/L	0.01	101	1.23	2.2
Manganese	mg/L	0.005	101	.220	0.195
Sulfate	mg/L	0.2	114	.619	12.2
Zinc	mg/L	0.001	120	.220	0.026
Carbon_Dioxide	mg/L	0.1			11.8
Color (color units)	mg/L	5	-	.000	60
Total_Hardness	mg/L	0.1			139.9
NCH_as_CaCO3	mg/L	0.1			<0.1
Odor (total odor num	TON	1	-		<1
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	100	.730	7.42
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	64.7	.194	156
TDS	mg/L	2.5	101	1.03	286
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier_Index	LX	0.01			-0.01
Saturation_Index	pHs	0.01			7.43
Stability_Index	pH	0.01			7.43
Foaming_Agents	mg/L	0.1			<0.1
Field DO	mg/L	0.1			-
Field Chlorine	mg/L	0.1			-
Gross alpha incl. Ra	pCi/L	0.1			<0.1

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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FLORIDA 32715-0597
BUS (407) 339-5984
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0339

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 6090674
Public Water System Name: Golden Terrace
Public Water System Type (check one):

☐ Communit ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☒; Inorganic ☒; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☒; Secondary Chemical ☒; Radiological ☒;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number For Radiological Parameters: HRS82138

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 17421

Sample Location (be specific): well

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 8/13/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check one) Yes

(X) No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Mail Results to the
Appropriate DER or ACPHU Office:

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 8/28/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	17421	1	24.5	EPA180.1	0.05	8/2/91

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	17421	0.05	<0.0005	EPA206.3	0.0005	8/5/91
1010	Barium	17421	1	<0.01	EPA208.1	0.01	8/5/91
1015	Cadmium	17421	0.01	<0.001	EPA213.1	0.001	8/2/91
1020	Chromium	17421	0.05	<0.005	EPA218.1	0.005	8/2/91
1025	Fluoride	17421	4	.0325	EPA340.1	0.05	8/2/91
1030	Lead	17421	0.05	.00280	EPA239.2	0.001	8/6/91
1035	Mercury	17421	0.002	.000630	EPA245.1	0.0002	8/7/91
1040	Nitrate(as N)	17421	10	.150	EPA353.1	0.01	08-07-91
1045	Selenium	17421	0.01	<0.0005	EPA270.3	0.0005	8/5/91
1050	Silver	17421	0.05	<0.005	EPA272.1	0.005	8/2/91
1052	Sodium	17421	160	41.2	EPA273.1	0.002	8/8/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	17421	0.0002	<.000001	EPA508	.000001	8/13/91
2010	Lindane	17421	0.004	<.000001	EPA508	.000001	8/13/91
2015	Methoxychlor	17421	0.1	<0.00001	EPA508	0.00001	8/13/91
2020	Toxaphene	17421	0.005	<0.0001	EPA508	0.0001	8/13/91
2105	2,4-D	17421	0.1	<0.00005	EPA515	0.00005	8/13/91
2110	2,4,5-TP(Silvex)	17421	0.01	<0.00002	EPA515	0.00002	8/13/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	17421		52.4	EPA215.1	0.1	8/6/91
1017	Chloride	17421	250	6.56	EPA300.0	0.015	08-02-91
1019	Carbonate CaCO3	17421		139.9	SM314A	0.1	8/6/91
1021	Hydroxide CaCO3	17421		0.0	SM406C	0.1	8/6/91
1022	Copper	17421	1	.0300	EPA220.1	0.005	8/6/91
1023	Bicarbonate CaCO3	17421		155.2	SM406C	0.1	8/6/91
1026	Bicarbonate HCO3	17421		0.4	SM406C	0.1	8/6/91

1027	Hydrogen Sulfide	17421		EPA376.1	0.5	
1028	Iron	17421	0.3	2.12	EPA236.1	0.01 8/6/91
1031	Magnesium	17421		2.20	EPA242.1	0.01 8/6/91
1032	Manganese	17421	0.05	.195	EPA243.1	0.005 8/6/91
1055	Sulfate	17421	250	12.2	EPA300.0	0.200 8/5/91
1095	Zinc	17421	5	.0260	EPA289.1	0.001 8/6/91
1901	Carbon Dioxide	17421		11.8	SM406C	0.1 8/6/91
1905	Color (color units)	17421	15	60.0	EPA110.1	5 8/2/91
1915	Total Hardness	17421		139.9	SM314A	0.1 8/6/91
1917	NCH as CaCO3	17421		<0.1	SM314A	0.1 8/6/91
1920	Odor (total odor number)	17421	3	<1	EPA140.1	1 8/2/91
1924	Field pH (units)	17421	6.5-8.5		EPA150.1	0.01
1925	Lab pH (units)	17421	6.5-8.5	7.42	EPA150.1	0.01 8/2/91
1926	Field Conductivity	17421		-		0.1
1927	Total Alkalinity	17421		156	EPA310.1	0.1 8/2/91
1930	TDS	17421	500	286	EPA180.1	2.5 8/12/91
1931	Phenolphthalein Alk.	17421			EPA310.1	0.1
1996	Field Temp. (C)	17421		25	-	1 8/6/91
1997	Langelier Index	17421	-0.2:+0.2	-0.01	SM203	0.01 8/6/91
1998	Saturation Index	17421		7.43	SM203	0.01 8/6/91
1999	Stability Index	17421		7.43	SM203	0.01 8/6/91
2909	Foaming Agents	17421	0.5	<0.1	EPA425.1	0.1 8/2/91
9996	Field DO	17421		-		0.1
9997	Field Chlorine	17421		-		0.1

Comments:

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(pCi/L)	Analytical Method	Det. Limit Used	Analysis Date
4000	Gross alpha incl. Ra & U	17421	5	<0.1	EPA900	0.1	8/28/91

Comments:

FOER	Lab	20010
FOERH	Lab	20120
HOEIRFM	Lab	200
SCHEFC	Lab	20010

**ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-050**

ATTN: BOB Williams

(1) Client SSU Services Citrus Springs Utilities		(2) Address 9840 N. Citrus Springs Citrus Springs, FL 32630		(3) Phone (904) 489-2452	
(4) Public Drinking Water ID #6650624-684953		(5) Public Water System Name: Citrus Springs Water Utility			
(6) Project # 6650624-684953		(8) Public Water System Type			
(7) POP#		(9) Community ☐ Non-Community ☐ Special Non-Community ☐			

	Preservative		Plastic Containers					Glass Containers					NOTES:		
	KJACH	ZnOAC/NACH	60ml	125ml	250ml	K 500ml	1L	Whet-Pac 500	40ml	1250ml	500ml	1L		2L	4L
1															0 (1) Turn Around Time: 10 Working Days: 17 SAP 5 Working Days : 3 Working Days : 1 Working Day : Other: Prim. Inorganics + Secondary Turbidity Prim. Org. Gross α
2															
3															
4															
5															
6															Quoted \$367 ⁰⁰ ea.
7															
8															
9															
10															

(11) Kit Relinquished: Heplan	(12) Date 7-23	(13) Received	(14) Date
Field	Time		Time

- 2) SAMPLE INFORMATION; SAMPLE DATE: MONTH 7 DATE 30 YEAR 91
 SAMPLE TYPE (check all applicable); ☐ () check, ☒ (x) regular distribution
☐ () composite, ☐ () clearance, ☐ () max residence time, ☐ () plant tap,
☐ () raw, ☐ () well, ☐ () resample _____, ☐ () special _____
 SAMPLER'S NAME: Robert D. G. ... TITLE: Operator III PHONE: 900-489-2452
 SAMPLER'S SIGNATURE: [Signature]
 NOTES: Prim. Inorganics Prim Organics Secondaries,
Turbidity, Gross &

Parameter Group(s) Analyzed: Volubility ☒: Inorganic ☒: Inhomogeneous ☒: Volatile Organic ☒
Organic Chemical ☒: Secondary Chemical ☒: Radiological ☒: Unregulated Organic Purgeable ☒
Unregulated Organic Particulate ☒: Unregulated Base Neutral Extractable ☒: Unregulated Acid Extractable ☒

[illegible]

OVER FOR INSTRUCTIONS FOR COMPLETION

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

FOR LAB USE ONLY
Full Coast Water Treatment Lab
5356 Hwy 195
Hawthorne, FL 32646
Lab ID # 82349 John Paulin
12/4/91 1:30 PM

SYSTEM NAME: Golden Terrace Estates SYSTEM I.D. NO: 6070674 SYSTEM PHONE #: 904-459-2411
ADDRESS: Lawrence St COUNTY: Alachua DER. DISTRICT: SCD
COLLECTOR: John Paulin COLLECTOR PHONE #: 904-459-2411
SAMPLE SITE (Locality or Subdivision): Golden Terrace Estates
DATE AND TIME COLLECTED: 12/4/91 8:00 AM
TYPE OF SUPPLY(Circle one): ☒ Community water system ☐ Noncommunity water system ☐ Nontransient - noncommunity water system
☐ Private well ☐ Swimming pool ☐ Bottled water ☐ Other public water system
TYPE OF SAMPLE(Circle one): Compliance (Check Box) ☒ Repeat ☐ Replacement (Check Box) ☐ Main clearance ☐ Well survey ☐ Other ☐ (Specify)
☐ Distribution ☐ TNC or C ☐
☒ Raw ☐ Turbid ☐
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL.	SAMPLE POINT (Specific Address)	CL RES'D	pH	ANALYSIS METHOD: (MF)		*TOTAL	MMO-MUG CONFIRM TOTAL	PA CONFIRM FECAL
				NON	HYF			
6	Well 1	0	7.3	2693 A		A		
7	Storage Tank	12	7.4	2693 B		A		
8	3711 Quagget Lane	0.5	7.4	2693 C		A		
9	3700 E. Bunch	0.5	7.4	2693 D		A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

Citrus Springs Utilities
PO Box 217
Dunnellon, FL
32630

- ()
- (X) SATISFACTORY
- () INCOMPLETE COLLECTION INFORMATION
- () REPEAT SAMPLES
- () REPLACEMENT SAMPLES

REVIEWING OFFICIAL:

Brenda Bell
EAP

TITLE:

Lab. Form 608, Jan 91
Lab. Form 608, Jan 91
Lab. Form 608, Jan 91

Gospel Island Estates - 986

Citrus County (SSU)

Water

- 1992 FPSC Filing -

Gospel Island

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	8/91
Organic	8/91
Volatile Organic Chemicals	1/91
	3/91
	7/91
	10/91
Turbidity	8/91
Microbiological	12/91
Radionuclide	8/91
Secondary Contaminants	8/91
Unregulated Contaminants	1/91

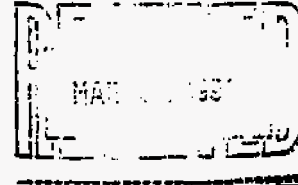


To Class

**Citrus Springs Office
General Manager Office**

9840 N. Citrus Springs Blvd.
Citrus Springs, FL 32630
(904) 489-2452

March 5, 1991



Ms. Cece Featheringill
Environmental Specialist II
Department of Environmental Regulation
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Dear Ms. Featheringill:

Find attached the results for the first quarterly tests taken for volatile organics, unregulated organic purgeables, unregulated organic pesticide, unregulated base neutral extractable and unregulated acid extractable per DER Drinking Water Standards 17550 for the following water plants in Citrus County, Pine Ridge - composite, Crystal River, Gospel Island, Apache Shores - composite, Point O' Woods, Golden Terrace - composite, Oak Forest, Rosemont and Rolling Green - composite.

If there are any questions, please don't hesitate to call.

Sincerely,

R.B. Williams

R.B. Williams, General Manager
Pine Ridge & SSU County Plants

REW:cr

Attachments

cc: Charles L. Sweat ✓
Chris Arcand
Frank Sanderson
File



Received From:
Citrus Sprg.
9840 N.CitrusSprgBlv
CitrusSprg,FL 32630

Date Reported: Feb15 1991
PO Number: Citrus Springs
PO Number B19018
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: CR1&2/GI-1/AS-1&2

Date Received:

Jan24 1991

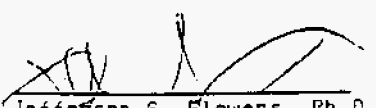
Lab Number : 16098

REPORT OF ANALYSIS

					16098
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	91.6	5.28	<0.000005
Para-dichlorobenzene	mg/L	0.001	113	.036	<0.001
Vinyl chloride	mg/L	0.001	94.1	.527	<0.001
1,1-dichloroethene	mg/L	0.001	94.1	.527	<0.001
1,2-dichloroethane	mg/L	0.001	106	.265	<0.001
1,1,1-trichloroethan	mg/L	0.001	98.6	.063	<0.001
Carbon tetrachloride	mg/L	0.001	98.7	.458	<0.001
Trichloroethene	mg/L	0.001	107	.537	<0.001
Tetrachloroethene	mg/L	0.001	112	.160	<0.001
Benzene	mg/L	0.001	103	4.19	<0.001
Chloromethane	mg/L	0.001	111	1.29	<0.001
Dichlorodifluorometh	mg/L	0.001	98.7	.458	<0.001
Bromomethane	mg/L	0.001	111	1.29	<0.001
Chloroethane	mg/L	0.001	94.1	.527	<0.001
Trichlorofluorometha	mg/L	0.001	98.7	.458	<0.001
trans-1,3,-dichlorop	mg/L	0.001	92.6	1.14	<0.001
cis-1,3-dichloroprop	mg/L	0.001	104	.694	<0.001
Methyl-tert-butyleth	mg/L	0.001	117	1.54	<0.001
cis-1,2-dichloroethe	mg/L	0.001	104	.694	<0.001
Dibromomethane	mg/L	0.001	111	1.29	<0.001
1,1-dichloropropene	mg/L	0.001	102	0.91	<0.001
1,3-dichloropropane	mg/L	0.001	92.6	1.14	<0.001
1,2,3-trichloropropa	mg/L	0.001	114	2.92	<0.001
2,2-dichloropropane	mg/L	0.001	94.1	.527	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	114	2.92	<0.001
Chloroform	mg/L	0.001	98.3	.628	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYROAD
P.O. BOX 150 577
ALABAMA CITY, ALABAMA
FLORIDA 32715-0597
BUS 407 532 4294
FAX 407 532 4294

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

Citrus Sprg.
9840 N.CitrusSprgBlv
CitrusSprg,FL 32630

Date Reported: Feb15 1991

PO Number: Citrus Springs

PO Number B19018

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: CR1&2/G1-1/AS-1&2

Date Received:

Jan24 1991

Lab Number : 16098

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	16098	
			%ACC	%PRC
Bromoform	mg/L	0.001	112	2.79
Bromodichloromethane	mg/L	0.001	96.9	.745
Dibromochloromethane	mg/L	0.001	115	1.47
p-xylene	mg/L	0.001	100	4.60
Methylene chloride	mg/L	0.001	111	1.29
o-chlorotoluene	mg/L	0.001	104	1.72
p-chlorotoluene	mg/L	0.001	112	4.33
m-dichlorobenzene	mg/L	0.001	113	1.01
o-dichlorobenzene	mg/L	0.001	109	.679
1,1-dichloroethane	mg/L	0.001	90.1	.446
trans-1,2-dichloroet	mg/L	0.001	108	3.04
1,2-dichloropropane	mg/L	0.001	99.9	.360
1,1,2-trichloroethan	mg/L	0.001	112	1.63
1,1,1,2-tetrachloroe	mg/L	0.001	100	3.03
1,1,2,2-tetrachloroe	mg/L	0.001	104	3.78
Chlorobenzene	mg/L	0.001	103	.274
Toluene	mg/L	0.001	112	4.33
Ethylbenzene	mg/L	0.001	94.7	1.36
Bromobenzene	mg/L	0.001	103	.274
m-xylene	mg/L	0.001	100	4.60
Styrene	mg/L	0.001	112	4.33
o-xylene	mg/L	0.001	100	4.60
Dalapon	mg/L	0.000001	95.3	2.85
Oxamyl (Oxydate)	mg/L	0.002	99.0	0.00
Simazine	mg/L	0.007	101	0.83
Picloram	mg/L	0.00007	106	3.61

Data Release Authorization

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Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 4

 Jefferson S. Flowers, Ph.D.
 Jefferson S. Flowers, Ph.D.
 484 Newburyport
 P.O. Box 140 019
 Attapetue, Oregon
 97141-0140
 503-237-1111

CHEMICAL
LABORATORIES
INCORPORATED

Received From: Citrus Sprg.
9840 N.CitrusSprngBlv
CitrusSprg,FL 32630

Date Reported: Feb15 1991
PO Number: Citrus Springs
PO Number B19018
FDHRS Lab# : 83139
FOER Lab# : E83018
NCDEHNR Lab# : 296
SCDHED Lab# : 96019

For: CR1&2/GI-1/AS-1&2

Date Received:

Jan24 1991

Lab Number : 16098

REPORT OF ANALYSIS

16098					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	106	3.28	<0.00001
Aldicarb sulfoxide	mg/L	0.002	95.0	7.44	<0.002
Aldicarb sulfone	mg/L	0.002	100	7.86	<0.002
Metolachlor	mg/L	0.0005	108	4.60	<0.0005
Carbofuran	mg/L	0.001	96.0	5.24	<0.001
Aldicarb	mg/L	0.002	97.7	0.00	<0.002
Atrazine	mg/L	0.002	101	0.65	<0.002
Alachlor (Lasso)	mg/L	0.0002	107	3.91	<0.0002
Heptachlor	mg/L	0.000005	107	3.99	<0.000005
Aldrin	mg/L	0.00007	109	5.35	<0.00007
Dieldrin	mg/L	0.00001	107	4.26	<0.00001
Dicamba	mg/L	0.00001	108	4.64	<0.00001
Chlordane	mg/L	0.00001	99.0	0.58	<0.00001
Pentachlorophenol	mg/L	0.005	90.8	5.60	<0.005
Hexachlorocyclopenta	mg/L	0.001	100	0.02	<0.001
Dioxin	mg/L	0.00001	98.2	3.23	<0.00001
Isophorone	mg/L	0.001	99	1.41	<0.001
2,4-dinitrotoluene	mg/L	0.001	103	3.53	<0.001
Dimethylphthalate	mg/L	0.001	100	0.34	<0.001
Diethylphthalate	mg/L	0.001	98.6	2.02	<0.001
Di-n-butylphthalate	mg/L	0.001	101	0.79	<0.001
Butyl benzyl phthala	mg/L	0.001	97.7	3.38	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	99.2	1.11	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.7	0.37	<0.001
PCB-1016	mg/L	0.0001	99.2	3.72	<0.0001
PCB-1221	mg/L	0.0001	93.5	3.97	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers
Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
Citrus Sprg.
9840 N.CitrusSprgBlv
CitrusSprg,FL 32630

Date Reported: Feb15 1991
PO Number: Citrus springs
PO Number B19018
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: CR1&2/GI-1/AS-1&2

Date Received:

Jan24 1991

Lab Number : 16098

REPORT OF ANALYSIS

16098					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB-1232	mg/L	0.0001	96.0	2.41	<0.0001
PCB-1242	mg/L	0.0001	93.0	4.25	<0.0001
PCB-1248	mg/L	0.0001	99.7	3.44	<0.0001
PCB-1254	mg/L	0.0001	106	3.18	<0.0001
PCB-1260	mg/L	0.0001	94.0	3.69	<0.0001
Diocetylphthalate	mg/L	0.001	98.9	1.55	<0.001
2-chlorophenol	mg/L	0.001	101	2.05	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	106	7.47	<0.001
Phenol	mg/L	0.001	84.1	26.7	<0.001
2,4,6-trichloropheno	mg/L	0.001	93.3	10.1	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
JLF: JEABUNV0001
P.O. BOX 110, 397
ANALYTICAL SERVICES
FORT LAUDERDALE, FL 33301
P.O. BOX 110, 397
FL 33301

0351

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: APACHE SITONALS - 6090076 -
 Public Water System Name: CRYSTAL RIVER 6092342 -
 Public Water System Type (check one): GOSPIL ISLAND - 6094953 -
 ☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
 Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
 Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
 Unregulated Organic Purgeable ☒; Unregulated Organic Pesticide ☒;
 Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;
 Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

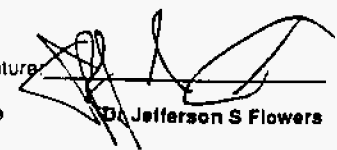
Sample Date (MMDDYY):
 Laboratory Sample Number: 18098
 Sample Location (be specific): APACHE SITONALS 1+2 CRYSTAL RIVER WELLS 1+2
 Sample Type (check all applicable): GOSPIL ISLAND WELL 1
 ☐ Check ☐ Regular Distribution ☒ Composite
 ☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
 ☒ Raw ☒ Well ☐ Resample
 ☐ Special

Sampler Name, Title Phone: JOHN MACKENZIE
904-489-2452

ANALYSIS INFORMATION

Extraction Date: 2/1/91
 Laboratory Contact: J.S. Flowers
 Resample Requested? (check ☐ Yes ☒ No)
 ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
 Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
 Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
 Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 
 Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 2/15/91

DER/ACPHU Reviewing Official:

Mail Results to the
 Appropriate DER or ACPHU Office:

PWSA 01 Sample Interpretation (check one):
 Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16098	.00002	<.000005	EPA504.1	.000005	2/7/91
2969	Para-dichlorobenzene	16098	.075	<0.001	EPA502.2	0.001	2/1/91
2976	Vinyl chloride	16098	0.001	<0.001	EPA502.2	0.001	2/1/91
2977	1,1-dichloroethene	16098	0.007	<0.001	EPA502.2	0.001	2/1/91
2980	1,2-dichloroethane	16098	0.003	<0.001	EPA502.2	0.001	2/1/91
2981	1,1,1-trichloroethane	16098	0.2	<0.001	EPA502.2	0.001	2/1/91
2982	Carbon tetrachloride	16098	0.003	<0.001	EPA502.2	0.001	2/1/91
2984	Trichloroethene	16098	0.003	<0.001	EPA502.2	0.001	2/1/91
2987	Tetrachloroethene	16098	0.003	<0.001	EPA502.2	0.001	2/1/91
2990	Benzene	16098	0.001	<0.001	EPA502.2	0.001	2/1/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16098		<0.001	EPA502.2	0.001	2/1/91
2212	Dichlorodifluoromethane	16098		<0.001	EPA502.2	0.001	2/1/91
2214	Bromomethane	16098		<0.001	EPA502.2	0.001	2/1/91
2216	Chloroethane	16098		<0.001	EPA502.2	0.001	2/1/91
2218	Trichlorofluoromethane	16098		<0.001	EPA502.2	0.001	2/1/91
2224	trans-1,3,-dichloropropene	16098		<0.001	EPA502.2	0.001	2/1/91
2228	cis-1,3-dichloropropene	16098		<0.001	EPA502.2	0.001	2/1/91
2251	Methyl-tert-butylether	16098		<0.001	EPA502.2	0.001	2/1/91
2380	cis-1,2-dichloroethene	16098		<0.001	EPA502.2	0.001	2/1/91
2408	Dibromomethane	16098		<0.001	EPA502.2	0.001	2/1/91
2410	1,1-dichloropropene	16098		<0.001	EPA502.2	0.001	2/1/91
2412	1,3-dichloropropane	16098		<0.001	EPA502.2	0.001	2/1/91
2414	1,2,3-trichloropropane	16098		<0.001	EPA502.2	0.001	2/1/91
2416	2,2-dichloropropane	16098		<0.001	EPA502.2	0.001	2/1/91
2931	1,2-dibromo-3-chloropropane	16098		<0.001	EPA502.2	0.001	2/1/91
2941	Chloroform	16098		<0.001	EPA502.2	0.001	2/1/91
2942	Bromoform	16098		<0.001	EPA502.2	0.001	2/1/91
2943	Bromodichloromethane	16098		<0.001	EPA502.2	0.001	2/1/91
2944	Dibromochloromethane	16098		<0.001	EPA502.2	0.001	2/1/91
2962	p-xylene	16098		<0.001	EPA502.2	0.001	2/1/91
2964	Methylene chloride	16098		<0.001	EPA502.2	0.001	2/1/91
2965	o-chlorotoluene	16098		<0.001	EPA502.2	0.001	2/1/91
2966	p-chlorotoluene	16098		<0.001	EPA502.2	0.001	2/1/91
2967	m-dichlorobenzene	16098		<0.001	EPA502.2	0.001	2/1/91
2968	o-dichlorobenzene	16098		<0.001	EPA502.2	0.001	2/1/91
2978	1,1-dichloroethane	16098		<0.001	EPA502.2	0.001	2/1/91
2979	trans-1,2-dichloroethyl	16098		<0.001	EPA502.2	0.001	2/1/91
2983	1,2-dichloropropane	16098		<0.001	EPA502.2	0.001	2/1/91
2985	1,1,2-trichloroethane	16098		<0.001	EPA502.2	0.001	2/1/91
2986	1,1,1,2-tetrachloroethane	16098		<0.001	EPA502.2	0.001	2/1/91
2988	1,1,2,2-tetrachloroethane	16098		<0.001	EPA502.2	0.001	2/1/91
2989	Chlorobenzene	16098		<0.001	EPA502.2	0.001	2/1/91

2991	Toluene	16098	<0.001	EPA502.2	0.001	2/1/91
2992	Ethylbenzene	16098	<0.001	EPA502.2	0.001	2/1/91
2993	Bromobenzene	16098	<0.001	EPA502.2	0.001	2/1/91
2995	m-xylene	16098	<0.001	EPA502.2	0.001	2/1/91
2996	Styrene	16098	<0.001	EPA502.2	0.001	2/1/91
2997	o-xylene	16098	<0.001	EPA502.2	0.001	2/1/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16098		<.000001	EPA515	.000001	2/14/91
2036	Oxamyl (Vydate)	16098		<0.002	EPA531	0.002	2/14/91
2037	Simazine	16098		<0.007	EPA505	0.007	2/14/91
2040	Picloram	16098		<0.00007	EPA515	0.00007	2/14/91
2041	Dinoseb	16098		<0.00001	EPA515	0.00001	2/14/91
2043	Aldicarb sulfoxide	16098		<0.002	EPA531	0.002	2/14/91
2044	Aldicarb sulfone	16098		<0.002	EPA531	0.002	2/14/91
2045	Metolachlor	16098		<0.0005	EPA505	0.0005	2/14/91
2046	Carbofuran	16098		<0.001	EPA531	0.001	2/14/91
2047	Aldicarb	16098		<0.002	EPA531	0.002	2/14/91
2050	Atrazine	16098		<0.002	EPA505	0.002	2/14/91
2051	Alachlor (Lasso)	16098		<0.0002	EPA505	0.0002	2/14/91
2065	Heptachlor	16098		<.000005	EPA508	.000005	2/14/91
2356	Aldrin	16098		<0.00007	EPA508	0.00007	2/14/91
2364	Dieldrin	16098		<0.00001	EPA508	0.00001	2/14/91
2440	Dicamba	16098		<0.00001	EPA515	0.00001	2/14/91
2959	Chlordane	16098		<0.00001	EPA508	0.00001	2/14/91
9114	Pentachlorophenol	16098		<0.005	EPA515	0.005	2/14/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16098		<0.001	EPA508	0.001	2/13/91
2063	Dioxin	16098		<0.00001	EPA613	0.00001	2/13/91
2262	Isophorone	16098		<0.001	EPA609	0.001	2/12/91
2270	2,4-dinitrotoluene	16098		<0.001	EPA609	0.001	2/12/91
2282	Dimethylphthalate	16098		<0.001	EPA606	0.001	2/12/91
2284	Diethylphthalate	16098		<0.001	EPA606	0.001	2/12/91
2290	Di-n-butylphthalate	16098		<0.001	EPA606	0.001	2/12/91
2294	Butyl benzyl phthalate	16098		<0.001	EPA606	0.001	2/12/91
2298	Bis(2-ethylhexyl)phthalate	16098		<0.001	EPA606	0.001	2/12/91
2378	1,2,4-trichlorobenzene	16098		<0.001	EPA612	0.001	2/12/91
2388	PCB-1016	16098		<0.0001	EPA505	0.0001	2/13/91
2390	PCB-1221	16098		<0.0001	EPA505	0.0001	2/13/91
2392	PCB-1232	16098		<0.0001	EPA505	0.0001	2/13/91
2394	PCB-1242	16098		<0.0001	EPA505	0.0001	2/13/91
2396	PCB-1248	16098		<0.0001	EPA505	0.0001	2/13/91
2398	PCB-1254	16098		<0.0001	EPA505	0.0001	2/13/91

2400	PCB-1260	16098	<0.0001	EPA505	0.0001	2/13/91
9089	Diethylphthalate	16098	<0.001	EPA606	0.001	2/12/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16098		<0.001	EPA604	0.001	2/12/91
9112	2-methyl-4,6-dinitophe	16098		<0.001	EPA604	0.001	2/12/91
9115	Phenol	16098		<0.001	EPA604	0.001	2/12/91
9116	2,4,6-trichlorophenol	16098		<0.001	EPA604	0.001	2/12/91

Comments:



POE21	Labr	ES010
POE2100	Labr	ES120
POE2100-001	Labr	200
POE2100-002	Labr	200

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-35019

(continued) - 1016 - Confidential Source #2782 - 2nd Lt. James Earl Ray

11.3) Parameter Group(s) Analyzed: Turbidity; Inorganic; Tetrahomethane; Volatile Organic X;
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgable X;
Unregulated Organic Pesticide X; Unregulated Base Neutral Extractable X; Unregulated Acid Extractable X;

h4) Laboratory Number

h5) Client Sample Identification

01 Sample Island Wall 1

02

03

04

05

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08

09

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06) Collector's Signature: [Signature]

07) Transporter's Signature: [Signature]

09) Lab Acceptance By: [Signature]

Date: 1-22-11

Time: 1:00

1/24/11

3:30

OVER FOR INSTRUCTIONS FOR COMPLETION



**Citrus Springs Office
General Manager Office**

9840 N. Citrus Springs Blvd.
Citrus Springs, FL 32630
(904) 489-2452

April 23, 1991

Ms. Cece Featheringill
Environmental Specialist II
Department Of Environmental Regulation
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Dear Ms. Featheringill:

Find attached the results for the second quarterly tests taken for volatile organics per DER Drinking Water Standards 17550 for the following water plants in Citrus County: Pine Ridge - composite, Crystal River, Gospel Island, Apache Shores - composite, Point O'Woods, Golden Terrace - composite, Oak Forest, Rosemont and Rolling Green, composite.

If there are any questions, please don't hesitate to call.

Sincerely,

R.B. Williams, General manager
Pine Ridge & SSU Citrus County Plants

RBW:ar

Attachments

cc: Charles L. Sweat
Chris Arcand

WASTEWATER

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
Citrus Springs, FL
Miami Dade County GRW
Citrus Springs, FL 32608

Date Reported: Apr 9, 1991
Lab Number: 881019
PR Number Citrus Sprgs.
PHUSE Lab# : 88109
FDEP Lab# : 882018
HCDENR Lab# : 294
SUCHEC Lab# : 96019

For: CR 152 91-1 AG-12.1

Date Received:

Mar 29 1991

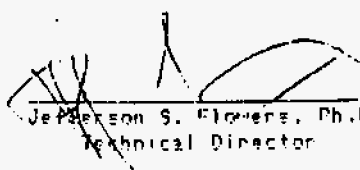
Lab Number : 16561

REPORT OF ANALYSIS

					16561
Parameter	Unit	Method	LAB	MDPC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	82.8	12.3	<0.000005
Para-dichlorobenzene	mg/L	0.001	115	8.65	<0.001
Vinyl chloride	mg/L	0.001	108	7.29	<0.001
1,1-dichloroethene	mg/L	0.001	108	7.29	<0.001
1,2-dichloroethane	mg/L	0.001	112	8.27	<0.001
1,1,1-trichloroethane	mg/L	0.001	101	7.406	<0.001
Carbon tetrachloride	mg/L	0.001	102	7.96	<0.001
Trichloroethene	mg/L	0.001	112	7.654	<0.001
Tetrachloroethene	mg/L	0.001	118	5.18	<0.001
Benzene	mg/L	0.001	93.2	7.469	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL 6A and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYTON
P.O. BOX 150-587
ALABAMA SPRINGS
FLORIDA 32715-0587
915 (407) 339-5984
FAX: (407) 280-6110

0358

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16561	.00002	<.000005	EPA504.1	.000005	4/8/91
2969	Para-dichlorobenzene	16561	.075	<0.001	EPA502.2	0.001	3/30/91
2976	Vinyl chloride	16561	0.001	<0.001	EPA502.2	0.001	3/30/91
2977	1,1-dichloroethene	16561	0.007	<0.001	EPA502.2	0.001	3/30/91
2980	1,2-dichloroethane	16561	0.003	<0.001	EPA502.2	0.001	3/30/91
2981	1,1,1-trichloroethane	16561	0.2	<0.001	EPA502.2	0.001	3/30/91
2982	Carbon tetrachloride	16561	0.003	<0.001	EPA502.2	0.001	3/30/91
2984	Trichloroethene	16561	0.003	<0.001	EPA502.2	0.001	3/30/91
2987	Tetrachloroethene	16561	0.003	<0.001	EPA502.2	0.001	3/30/91
2990	Benzene	16561	0.001	<0.001	EPA502.2	0.001	3/30/91

Comments:

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
Citrus Springs
9840 N. Citrus Sprgs. B
Citrus Sprgs, FL 32630

Date Reported: Jul 15 1991
PO Number: B91018
PO Number Citrus Co-900
FDHRS Lab# : 83139
FOER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: ~~CRYSTAL RIVER~~

Date Received:

Jul 2 1991

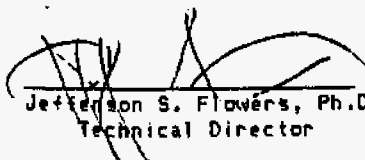
Lab Number : 17253

REPORT OF ANALYSIS

					17253
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	107	7.00	<0.000005
Para-dichlorobenzene	mg/L	0.001	119	3.30	<0.001
Vinyl chloride	mg/L	0.001	93.7	.278	<0.001
1,1-dichloroethene	mg/L	0.001	93.7	.278	<0.001
1,2-dichloroethane	mg/L	0.001	97.3	1.54	<0.001
1,1,1-trichloroethane	mg/L	0.001	94.7	.774	<0.001
Carbon tetrachloride	mg/L	0.001	94.3	.112	<0.001
Trichloroethene	mg/L	0.001	99.0	.225	<0.001
Tetrachloroethene	mg/L	0.001	99.8	1.71	<0.001
Benzene	mg/L	0.001	97.0	.380	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
461 NEWBURYPORT
P.O. BOX 150-597
ALAMONT SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

0360



**Citrus Springs Office
General Manager Office**

9840 N. Citrus Springs Blvd.
Citrus Springs, FL 32630
(904) 489-2452

July 22, 1991

Ms. Cece Featheringill
Environmental Specialist II
Department Of Environmental Regulation
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Dear Ms. Featheringill:

Find attached the results for the third quarterly tests taken for volatile organics per DER Drinking Water Standards 17550 for the following water plants in Citrus County: Pine Ridge - composite, Crystal River, Gospel Island, Apache Shores - composite, Point O'Woods, Rosemont and Rolling Green - composite.

If there are any questions, please call.

Sincerely,

R.B. Williams, Area Supervisor
Pine Ridge and SSU County Plants

RBW:sr

Attachments

cc: Charles L. Sweat
Chris Arcand

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: APACHE SHORES - 6090076 - CRYSTAL RIVER - 60923
 Public Water System Name: _____
 Public Water System Type (check one): 60911 ISLE - 6094953
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
 Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Trihalomethane _____;
 Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;
 Unregulated Organic Purgable _____; Unregulated Organic Pesticide _____;
 Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;
 Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____
 Laboratory Sample Number: 16561
 Sample Location (be specific): APACHE SHORES WELL 1 & 2 CRYSTAL RIVER WELL 1 & 2
 Sample Type (check all applicable): 60911 ISLE WELL 1
☐ Check ☐ Regular Distribution ☐ Composit
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Flow ☒ Well ☐ Resample
☐ Special

Sampler Name, Title Phone: JOHN MACKENZIE OPERATOR
904-489-2452

ANALYSIS INFORMATION

Extraction Date: 4/8/91
 Laboratory Cont. Dr. J.S. Flowers
 Resample Requested? (che ☐ Yes ☒ No)
 ANALYSIS SUBMITTED: Turbidity _____; Inorganic _____; Trihalomethane _____;
 Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;
 Unregulated Organic Purgable _____; Unregulated Organic Pesticide _____;
 Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/8/91

DER /ACPHU Reviewing Official: _____

Mail Results to the
 Appropriate DER or ACPHU Office: _____

PWSA.01 Sample Interpretation (check one):
 Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17253	.00002	<.000005	EPA504.1	.000005	7/12/91
2969	Para-dichlorobenzene	17253	.075	<0.001	EPA502.2	0.001	7/6/91
2976	Vinyl chloride	17253	0.001	<0.001	EPA502.2	0.001	7/6/91
2977	1,1-dichloroethene	17253	0.007	<0.001	EPA502.2	0.001	7/6/91
2980	1,2-dichloroethane	17253	0.003	<0.001	EPA502.2	0.001	7/6/91
2981	1,1,1-trichloroethane	17253	0.2	<0.001	EPA502.2	0.001	7/6/91
2982	Carbon tetrachloride	17253	0.003	<0.001	EPA502.2	0.001	7/6/91
2984	Trichloroethene	17253	0.003	<0.001	EPA502.2	0.001	7/6/91
2987	Tetrachloroethene	17253	0.003	<0.001	EPA502.2	0.001	7/6/91
2990	Benzene	17253	0.001	<0.001	EPA502.2	0.001	7/6/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Gospil Island
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Trihalomethane _____;
Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;
Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;
Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;
Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____
Laboratory Sample Number: 17253
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: ____/____/____
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check) Yes ☐ No ☒
ANALYSIS SUBMITTED: Turbidity _____; Inorganic _____; Trihalomethane _____;
Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;
Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;
Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 7/12/91

DER / ACPHU Reviewing Official: _____

Mail Results to the
Appropriate DER or ACPHU Office: _____

PWSA.01 Sample Interpretation (check one):
Effective 08/01/91 ☐ Satisfactory ☐ Unsatisfactory

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client CITRUS SPRINGS
Address 9840 N. CITRUS SPRINGS BLVD.
CITRUS SPRINGS, FL. 32630
Phone 904-488-2752

FCL Client No. _____
FCL Project Manager L. SPRECK
FCL Lab Coordinator S. WEISS
Requested Due Date: ASAP

P.D. Number B9101P
Project Name / No. CITY 24 Co- 90000
Contact A. B. Williams

Sampled By (PRINT): JAMES M. HARRIS

Signature James M. Harris Date Sampled 7/1/91

Signature _____

Date Sampled _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST	
						UNPRESERVED	HCL	HNO3	H2O2		
1	COMPOSITE OF ROLLING STONE 1+2 RESTAURANT WALK	11:00	D.W.	12751							
2	RAIL FOST 1+2	5:00									
3	COMPOSITE POW 1-2-3	11:00		12752							
4	GOLDEN TERRACE 1+2										
5	COMPOSITE APRIL 1988 1+2	8:00		12753							
6	PINE RIDGE 2+3	10:00		12754							

CARRIER	SALERS	DUE DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
UPS		6/17/91		FL	6/17/91	4:30			
SPECIAL INSTRUCTIONS									
NO ART IN UNITS									

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

0365



**Citrus Springs Office
General Manager Office**

9840 N. Citrus Springs Blvd.
Citrus Springs, FL 32630
(804) 489-2452

October 22, 1991

Ms. Cece Featheringill
Environmental Specialist II
Department Of Environmental Regulation
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Dear Ms. Featheringill:

Find attached the results for the last quarterly tests taken for volatile organics per DER Drinking Water Standards 17550 for the following water plants in Citrus County: Pine Ridge - composite, Crystal River, Gospel Island, Apache Shores - composite, Point O' Woods, Rosemont and Rolling Green - composite. All tests showing within MCL's. This will put all plants in compliance for the next three years.

Sincerely,

R.B. Williams

R.B. Williams, Division Supervisor
SSU Services - Citrus County Plants

REW:er

Attachments

cc: Charles L. Sweat
Chris Arcand

Serving the customers of the Citrus Springs, Deltona, Mirco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard, Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

Leopolde Island 1992
Crystal River 1992

Gaspel Island 1992 FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
Citrus Sprgs.Util.
PO Box 217
Dunnellon, FL 32630

Date Reported: Oct15 1991
PO Number: B91018
PO Number Citrus Sprgs.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 3
Date Received:

Oct10 1991

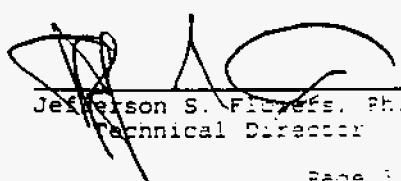
Lab Number : 17959

REPORT OF ANALYSIS

17959					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	107	1.55	<0.000005
Para-dichlorobenzene	mg/L	0.001	92.1	2.02	<0.001
Vinyl chloride	mg/L	0.001	109	2.55	<0.001
1,1-dichloroethene	mg/L	0.001	109	2.55	<0.001
1,2-dichloroethane	mg/L	0.001	108	4.12	<0.001
1,1,1-trichloroethane	mg/L	0.001	111	1.32	<0.001
Carbon tetrachloride	mg/L	0.001	109	.847	<0.001
Trichloroethene	mg/L	0.001	101	1.35	<0.001
Tetrachloroethene	mg/L	0.001	97.5	.548	<0.001
Benzene	mg/L	0.001	105	.244	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 3 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALHAMBRA SPRINGS
FLORIDA 32715-0597
BUS (407) 336-5984
FAX (407) 260-6110

0367

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17959	.00002	<.000005	EPA504.1	.000005	10/11/91
2969	Para-dichlorobenzene	17959	.075	<0.001	EPA502.2	0.001	10/11/91
2976	Vinyl chloride	17959	0.001	<0.001	EPA502.2	0.001	10/11/91
2977	1,1-dichloroethene	17959	0.007	<0.001	EPA502.2	0.001	10/11/91
2980	1,2-dichloroethane	17959	0.003	<0.001	EPA502.2	0.001	10/11/91
2981	1,1,1-trichloroethane	17959	0.2	<0.001	EPA502.2	0.001	10/11/91
2982	Carbon tetrachloride	17959	0.003	<0.001	EPA502.2	0.001	10/11/91
2984	Trichloroethene	17959	0.003	<0.001	EPA502.2	0.001	10/11/91
2987	Tetrachloroethene	17959	0.003	<0.001	EPA502.2	0.001	10/11/91
2990	Benzene	17959	0.001	<0.001	EPA502.2	0.001	10/11/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Gaspil Island
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity____; Inorganic____; Trihalomethane____;
Volatile Organic____; Organic Chemical____; Secondary Chemical____; Radiological____;
Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;
Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;
Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____
Laboratory Sample Number: 17959
Sample Location (be specific): well
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composit
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: ____/____/____
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check ☐ Yes ☒ No)
ANALYSIS SUBMITTED: Turbidity____; Inorganic____; Trihalomethane____;
Volatile Organic____; Organic Chemical____; Secondary Chemical____; Radiological____;
Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;
Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 10/14/91

DER /ACPHU Reviewing Official: _____

Mail Results to the
Appropriate DER or ACPHU Office: _____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory



ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-150

FOER	Lead	6/20/18
FOHRS	Lead	6/1/18
NOEHNHNR	Lead	2/9/
SECHNEC	Lead	6/20/18

ATTN: Bob Williams

(1) Client CITRUS SPRINGS UTIL.		(2) Address P.O. Box 217 Dunnellon, FL 32630		(3) Phone (904) 245-1504	
(4) Public Drinking Water ID #		(5) Public Water System Name: CITRUS CO. COMPOSITS			
(6) Project: 2 CITRUS CO. COMPOSITS		(8) Public Water System Type			
(7) PWS: B91018		☒ Community ☐ Non-Community ☐ Special Non-Community			

Preservative		Plastic Containers					Glass Containers					NOTE:		
100ml	ZnOAcetate	60ml	125ml	250ml	500ml	1L	Whirl Pac Bag	40ml	250ml	500ml	1L	2L	5L	(12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____
54								☒						

(17) Kit Relinquished:		(17) Date		(9) Kit Received		(9) Date	
		(17) Time				(9) Time	

(10) Parameter Group(s) Analyzed: Turbidity: Inorganic: Trihalomethane: Volatile Organic: Organic Chemical: Secondary Chemical: Radiological: Unregulated Organic Purgeable: Unregulated Organic Pesticide: Unregulated Base Neutral Extractable: Unregulated Acid Extractable:							
--	--	--	--	--	--	--	--

VOC'S

(18) Laboratory Number	(11) Client Sample Identification	
17957 ✓	21 COMPOSITE OF ROLLING GREEN WELLS 1+2	ROSEMONT WELL 1
17958 ✓	22 COMPOSITE OF POW 1+2-3	DAK FINEST 1+2
17959 ✓	23 COMPOSITE OF APPROX 500 YDS E OF RIVER	
17960 ✓	24 COMPOSITE PINE RIDGE 2+3	
	25	
	26	
	27	
	28	
	29	
	30	
(13) Collector's Signature:	John C. Green, Jr.	Date
(14) Transporter's Signature:		10/8
(15) Lab Assistance By:		Time
		4:00 PM
		10/10/91
		10:10

Over for numbered instructions.



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU Serv.
9840 N.CitrusSprg.BI
CitrusSprg,FL 32630

Date Reported: Aug29 1991

PO Number: 6090674/60949

PO Number SSU Serv.

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: GOSPEL ISL.

Date Received:

Aug 1 1991

Lab Number : 17422

REPORT OF ANALYSIS

				17422
Parameter	Unit	Method	%ACC %PRC	
		Detection		
		Limit		
Turbidity	NTU	0.05	113 3.61	12
Arsenic	mg/L	0.0005	104 5.93	<0.0005
Barium	mg/L	0.01	111 2.03	<0.01
Cadmium	mg/L	0.001	93.3 .095	<0.001
Chromium	mg/L	0.005	106 .166	<0.005
Fluoride	mg/L	0.05	114 .019	<0.05
Lead	mg/L	0.001	101 5.26	0.0015
Mercury	mg/L	0.0002	89.0 .571	<0.0002
Nitrate(as N)	mg/L	0.01	119 4.84	0.167
Selenium	mg/L	0.0005	103 2.96	<0.0005
Silver	mg/L	0.005	97.1 .091	<0.005
Sodium	mg/L	0.002	103 .191	10.3
Endrin	mg/L	0.000001	102 1.52	<0.000001
Lindane	mg/L	0.000001	97.8 1.74	<0.000001
Methoxychlor	mg/L	0.00001	98.8 8.95	<0.00001
Toxaphene	mg/L	0.0001	104 2.18	<0.0001
2,4-D	mg/L	0.00005	95.0 3.72	<0.00005
2,4,5-TP(Silvex)	mg/L	0.00002	93.3 9.48	<0.00002
Calcium	mg/L	0.1	94.4 .624	78.3
Chloride	mg/L	0.015	97.5 .931	21
Carbonate CaCO3	mg/L	0.1	94.4	182.5
Hydroxide CaCO3	mg/L	0.1		-
Copper	mg/L	0.005	110 .040	<0.005
Bicarbonate CaCO3	mg/L	0.1		181.9
Bicarbonate HCO3	mg/L	0.1		0.6
Hydrogen Sulfide	mg/L	0.5		-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALPHACRIST SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU Serv.
9840 N. Citrus Sprg. Bl
Citrus Sprg, FL 32630

Date Reported: Aug 29 1991

PD Number: 6090674/60949

PD Number SSU Serv.

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: GOSPEL ISL.

Date Received:

Aug 1 1991

Lab Number : 17422

REPORT OF ANALYSIS

					17422
Parameter	Unit	Method	%ACC	%PREC	
		Detection			
		Limit			
Iron	mg/L	0.01	91.1	1.07	1.7
Magnesium	mg/L	0.01	101	1.23	1.7
Manganese	mg/L	0.005	101	.220	0.158
Sulfate	mg/L	0.2	114	.619	3.49
Zinc	mg/L	0.001	120	.220	0.02
Carbon Dioxide	mg/L	0.1			11
Color (color units)	mg/L	5	-	.000	65
Total Hardness	mg/L	0.1			202.4
NCH as CaCO3	mg/L	0.1			19.9
Odor (total odor num	TDN	1	-		<1
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	100	.730	7.52
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	64.7	.194	183
TDS	mg/L	2.5	101	1.03	266
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index	LX	0.01			0.34
Saturation Index	pHs	0.01			7.18
Stability Index	pH	0.01			6.83
Foaming Agents	mg/L	0.1			<0.1
Field DO	mg/L	0.1			-
Field Chlorine	mg/L	0.1			-
Gross alpha incl. Ra	pCi/L	0.1			<0.1

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

 Jefferson S. Flowers, Ph.D.
 Technical Director

Page 4 of 4

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5054
FAX: (407) 260-6110

PUBLIC WATER SYSTEM INFORMATION

☐ Community ☐ Non-community ☐ Special Non-community

Lab Certification Number: HRS 83139

SAMPLE INFORMATION

Sample Type (check all applicable):

☐ Check	☐ Regular Distribution	☒ Composite
☐ Clearance	☐ Maximum Residence Time	☐ Plant Tap
☒ Raw	☒ Well	☐ Resample
☐ Special		

Sampler Name, Title Phone: _____

Extraction Date 8/13/91

Resample Requested? (che)Yes

ANALYSIS SUBMITTED Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature

Name **Dr. Jefferson S Flowers**

Title **Technical Director**

Laboratory **Flowers Chemical Laboratories, Inc.**

Date 8/28/91

DER /ACPHU Reviewing Official:

**Mail Results to the
Appropriate DER or ACPHU Office:**

PWSA.01 Sample Interpretation (check one):
Effective 06/01/11 ☒ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	17422	1	12.0	EPA180.1	0.05	8/2/91

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	17422	0.05	<0.0005	EPA208.3	0.0005	8/5/91
1010	Barium	17422	1	<0.01	EPA208.1	0.01	8/5/91
1015	Cadmium	17422	0.01	<0.001	EPA213.1	0.001	8/2/91
1020	Chromium	17422	0.05	<0.005	EPA218.1	0.005	8/2/91
1025	Fluoride	17422	4	.0173	EPA340.1	0.05	8/2/91
1030	Lead	17422	0.05	.00150	EPA239.2	0.001	8/6/91
1035	Mercury	17422	0.002	<0.0002	EPA245.1	0.0002	8/7/91
1040	Nitrate(as N)	17422	10	.167	EPA353.1	0.01	08-07-91
1045	Selenium	17422	0.01	<0.0005	EPA270.3	0.0005	8/5/91
1050	Silver	17422	0.05	<0.005	EPA272.1	0.005	8/2/91
1052	Sodium	17422	160	10.3	EPA273.1	0.002	8/8/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	17422	0.0002	<.000001	EPA508	.000001	8/13/91
2010	Lindane	17422	0.004	<.000001	EPA508	.000001	8/13/91
2015	Methoxychlor	17422	0.1	<0.00001	EPA508	0.00001	8/13/91
2020	Toxaphene	17422	0.005	<0.0001	EPA508	0.0001	8/13/91
2105	2,4-D	17422	0.1	<0.00005	EPA515	0.00005	8/13/91
2110	2,4,5-TP(Silvex)	17422	0.01	<0.00002	EPA515	0.00002	8/13/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	17422		78.3	EPA215.1	0.1	8/6/91
1017	Chloride	17422	250	21.0	EPA300.0	0.015	08-02-91
1019	Carbonate CaCO3	17422		182.5	SM314A	0.1	8/6/91
1021	Hydroxide CaCO3	17422		0.0	SM408C	0.1	8/6/91
1022	Copper	17422	1	<0.005	EPA220.1	0.005	8/6/91
1023	Bicarbonate CaCO3	17422		181.9	SM408C	0.1	8/6/91
1026	Bicarbonate HCO3	17422		0.6	SM408C	0.1	8/6/91

1027	Hydrogen Sulfide	17422		EPA376.1	0.5	
1028	Iron	17422	0.3	1.70	EPA236.1	0.01 8/6/91
1031	Magnesium	17422		1.70	EPA242.1	0.01 8/6/91
1032	Manganese	17422	0.05	.158	EPA243.1	0.005 8/6/91
1055	Sulfate	17422	250	3.48	EPA300.0	0.200 8/5/91
1095	Zinc	17422	5	.0200	EPA289.1	0.001 8/6/91
1901	Carbon Dioxide	17422		11.0	SM408C	0.1 8/6/91
1905	Color (color units)	17422	15	65.0	EPA110.1	5 8/2/91
1915	Total Hardness	17422		202.4	SM314A	0.1 8/6/91
1917	NCH as CaCO3	17422		19.9	SM314A	0.1 8/6/91
1920	Odor (total odor number)	17422	3	<1	EPA140.1	1 8/2/91
1924	Field pH (units)	17422	6.5-8.5		EPA150.1	0.01
1925	Lab pH (units)	17422	6.5-8.5	7.52	EPA150.1	0.01 8/2/91
1926	Field Conductivity	17422		-		0.1
1927	Total Alkalinity	17422		183	EPA310.1	0.1 8/2/91
1930	TDS	17422	500	286	EPA160.1	2.5 8/12/91
1931	Phenolphthalein Alk.	17422			EPA310.1	0.1
1996	Field Temp. (C)	17422		25	-	1 8/6/91
1997	Langelier Index	17422	-0.2:+0.2	0.34	SM203	0.01 8/6/91
1998	Saturation Index	17422		7.18	SM203	0.01 8/6/91
1999	Stability Index	17422		6.83	SM203	0.01 8/6/91
2909	Foaming Agents	17422	0.5	<0.1	EPA425.1	0.1 8/2/91
9996	Field DO	17422		-		0.1
9997	Field Chlorine	17422		-		0.1

Comments:

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(pCi/L)	Analytical Method	Det.Limit Used	Analysis Date
4000	Gross alpha incl. Ra & U	17422	5	<0.1	EPA900	0.1	8/28/91

Comments:

FDEN	Lab	20070
FDENW	Lab	20100
MODEMWE	Lab	300
SCORREC	Lab	00010

ANALYTICAL & CONSULTING CHEMISTS
CHART OF CUSTODY RECORD
DRINKING WATER 17-430

ATTN: Bob Williams

(1) Client: **SSU Services**
Citrus Springs Utilities

(2) Address: **9840 N. Citrus Springs Blvd**
Citrus Springs, FL 32630

(3) Phone: **(904) 489-2452**

(4) Public Drinking Water ID: **86060474-609495-3**

(5) Public Water System Name: **Gulfstream Terrace - Grand Island**

(6) Project # **6090674 - 6090953**

(7) Public Water System Type: **() Community () Non-Community () Special Non-Community**

(8) POP: **()**

		Preservative		Plastic Containers				Glass Containers						NOTES:		
		K	ZNAC/TECH	60ml	125ml	250ml	K	IL	What-Pac Bag	40ml	250ml	500ml	IL		IL	IL
1		X					X	X								1 Turn Around Time: 10 Working Days: ASAP 8 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____ Prim. Inorganics + Secondary Toxicity Prim. Org. Gross wt. Quoted \$367
2																
3																
4																

(9) KIL Relinquished: **Stephen Nichols**

(10) Date: **7-23**

(11) KIL Received: **7-23**

(12) Date: _____

(13) Time: _____

2) SAMPLE INFORMATION; SAMPLE DATE: MONTH 7 DATE 30 YEAR 91
 SAMPLE TYPE (check all applicable); - () check, (x) regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 () raw, () well, () resample _____, () special _____
 SAMPLER'S NAME: Rupert Bergstra TITLE: Operator III PHONE: 904-487-2452
 SAMPLER'S SIGNATURE: Rupert Bergstra
 NOTES: Prim. Inorganics, Prim. Organics, Secondaries,
1 Turbidity, Gross &

1) ~~Pharmaceutical Group(s) Analyzed:~~ Turbidity ~~X~~ Inorganic ~~X~~ Isotomethylene ~~X~~ Volatile Organic ~~X~~
Organic Chemical ~~X~~ Secondary Chemical ~~X~~ Radiological ~~X~~ Unregulated Organic Pesticide ~~X~~
Unregulated Organic Pesticide ~~X~~ Unregulated Base Neutral Extractable ~~X~~ Unregulated Acid Extractable ~~X~~

(4) Laboratory Number: 17421
 17422
 (5) Nest Sample Identification: GOLDEN TERRACE ID# 6090674
 60 SPEL ISLAND ID# 6094953
 (6) Collectors Signature: Robert Boynton Date: 7-30-91 Time: 2:00-11:00
 (7) Transporters Signature: [Signature] Date: 8/1/91 Time: 9:20
 (8) Lab Acceptance By: [Signature]

OVEN FOR INSTRUCTIONS FOR COMPLETION

HS
 State of Florida
 Department of Health and Rehabilitative Services
 Office of Laboratory Services
 P.O. Box 210
 Jacksonville, Florida 32231

FOR LAB USE ONLY
 Gulf Coast Water & Sewer
 5356 Hwy 19 S.
 Homosassa Fl. 33446
 Tel. 10782247 John R. ...
 12/11/91 1:30 PM

**DRINKING WATER
 BACTERIOLOGICAL ANALYSIS**

SYSTEM NAME: Gaspal Island Estates SYSTEM I.D. NO: 16094953 SYSTEM PHONE # 904 489 2452
 ADDRESS: LAUREL WOODS COUNTY: Citrus DER. DISTRICT: S
 COLLECTOR: R. B. COSTA COLLECTOR PHONE #: 904 489 2452
 SAMPLE SITE (Locality or Subdivision): Gaspal Island Estates
 DATE AND TIME COLLECTED: 12 11 91 7:30 AM
 TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
 Private well Swimming pool Bottled water Other public water system
 TYPE OF SAMPLE (Circle one): Compliance (Check Box) Repeat Replacement (Check Box) Main clearance Well survey Other (Specify)
☒ Distribution ☐ TNC or C ☐ Turbid
☐ Raw ☐
 REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL.	SAMPLE POINT (Specific Address)	CL RES'D	pH	ANALYSIS METHOD:	HE	MTF	MMO-MUG	PA
				SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
10	Well	0	7.3	2694A		H		
11	Storage Tank	1.2	7.4	2694B		H		
12	7431 E. Allen Dr	0.5	7.4	2694C		H		
13	Lot 10 Blk H Terri Point	0.5	7.4	2694D	M	H		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present
 A - Coliforms are absent

C - Confluent growth
 TNC - Too numerous to count

TA - Turbid, Absence of gas or acid

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

MS Form 604, Jan 8
 editions which may
 (Stock Number: 8746)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

Citrus Springs Utilities
 PO Box 217
 Dunnellon, FL
 32630

- () SATISFACTORY
- () INCOMPLETE COLLECTION INFORMATION
- () REPEAT SAMPLES
- () REPLACEMENT SAMPLES

REVIEWING OFFICIAL:

Brenda Ball
EJR

TITLE:

Grand Terrace - 575

Lake County (SSU)

Water

- 1992 FPSC Filing -

Grand Terrace

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	6/90
Organic	6/90
Volatile Organic Chemicals	6/90
	9/90
	12/90
	3/91
Turbidity	6/90
Microbiological	12/91
Radionuclide	6/90
Secondary Contaminants	6/90
Unregulated Contaminants	3/91



ORLANDO LABORATORIES^{INC}

AUG 2 1990

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-06-081
Date Received: 06/07/90
Date Reported: 07/30/90
OLI Contact: E_HOBBS

Work ID: #575 Grand Terrace
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Distribution Grand Terrace
01 Well Grand Terrace
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report

PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS033 Radiological Analysis

Results on odor attached

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

[Signature]
Acting
LABORATORY DIRECTOR

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

[Signature]
Eric Malarek
QUALITY CONTROL

FAX (407) 896-6566

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-081

SAMPLE ID Distribution Grand Terrace
DATE COLLECTED 06/06/90 14:00:00
TEST NAME Turbidity Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PHS026

TURBIDITY ANALYSIS
17-550.310(3)
(PHS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result(NTU)	Analytical Method	Analysis Date
0100 Turbidity			<1.0	EPA 180.1	06/08/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-081

SAMPLE ID Distribution Grand Terrace
DATE COLLECTED 05/06/90 14:00:00
TEST NAME Organic Chemical Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PMS029

ORGANIC CHEMICAL ANALYSIS
17-550.310 (2) (a) (b)
(PMS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analysis Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	06/14/90
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	06/14/90
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	06/14/90
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	06/14/90
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	06/13/90
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	06/13/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-081

SAMPLE ID Distribution Grand Terrace
DATE COLLECTED 05/06/90 14:00:00
TEST NAME Inorganic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PMS030

INORGANIC ANALYSIS
17-550.310 (1)
(PMS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic	_____	_____	<0.010	EPA 206.2	0.010	06/12/90
1010 Barium	_____	_____	<0.100	EPA 200.7	0.100	06/11/90
1015 Cadmium	_____	_____	<0.005	EPA 213.2	0.005	06/11/90
1020 Chromium	_____	_____	<0.010	EPA 218.2	0.010	06/11/90
1025 Fluoride	_____	_____	.10	EPA 340.2	0.1	06/09/90
1030 Lead	_____	_____	<0.010	EPA 239.2	0.010	06/11/90
1035 Mercury	_____	_____	<0.0005	EPA 245.1	0.0005	06/16/90
1040 Nitrate (as N)	_____	_____	<.03	EPA 352.2	0.03	06/09/90
1045 Selenium	_____	_____	<0.005	EPA 270.2	0.005	06/10/90
1050 Silver	_____	_____	<0.010	EPA 272.2	0.010	06/10/90
1052 Sodium	_____	_____	7.70	EPA 200.7	0.001	06/10/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-081

SAMPLE ID Distribution Grand Terrace
DATE COLLECTED 06/06/90 14:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			NOT ANALYZED			
1017 Chloride			26	SM 407	1.0	06/08/90
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			0.054	EPA 200.7	0.010	06/11/90
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			.10	EPA 340.2	0.1	06/09/90
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			0.120	EPA 200.7	0.100	06/11/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	06/11/90
1055 Sulfate			2.6	EPA 375.4	1.0	06/11/90
1095 Zinc			<0.050	EPA 200.7	0.050	06/11/90
1901 Carbon Dioxide			4.5	SM 406 C	1.0	07/30/90
1905 Color (color units)			<5	EPA 270.2	5 PCU	06/08/90
1915 Total Hardness			58.0	EPA 200.7	0.050	06/11/90
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			Recorded 14	EPA 140.1	1	06/08/90
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			7.60	EPA 150.1	N/A	06/08/90
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-081
Continued From Above

SAMPLE ID Distribution Grand Terrace
DATE COLLECTED 06/06/90 14:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			100	EPA 310.1	2.0	06/08/90
1930 TDS			120	EPA 160.1	1.0	06/11/90
1931 Phenolphthalein Alk.			<2.0	EPA 310.1	2.0	06/08/90
1996 Field Temp. (C)			NOT ANALYZED			
1997 Langelier Index pHs			8.03	EPA 2330	N/A	07/05/90
1998 Saturation Index			-0.43	EPA 2330	N/A	07/05/90
1999 Stability Index			8.46	EPA 2330	N/A	07/05/90
2909 Foaming Agents			<0.10	EPA 425.1	0.1	07/26/90
9996 Field DO			NOT ANALYZED			
9997 Field Chlorine			NOT ANALYZED			

Comments:

NOTE: Foaming Agents resampled 07/25/90.

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-081

SAMPLE ID Distribution Grand Terrace
DATE COLLECTED 06/06/90 14:00:00
TEST NAME Radiological Analysis

SAMPLE# Q1A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u>1.1</u>	<u>EPA 900.0</u>	<u>0.5</u>	<u>06/15/90</u>
4006 Total Uranium	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>
4010 Total Radium	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>
4020 Radium-226	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>
4030 Radium-228	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>
4100 Gross Beta	_____	<u>NR</u>	<u>---</u>	<u>---</u>	<u>---</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-081

SAMPLE ID Mail Grand Terrace
DATE COLLECTED 06/06/90 14:00:00
TEST NAME Volatile Organic Analysis

SAMPLE# 018
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310 (2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	_____	_____	0.00002 U	EPA 504	0.00002	06/11/90
2969 Para-dichlorobenzene	_____	_____	0.0005 U	EPA 524	0.0005	06/08/90
2976 Vinyl Chloride	_____	_____	0.0005 U	EPA 524	0.0005	06/08/90
2977 1,1-Dichloroethene	_____	_____	0.0005 U	EPA 524	0.0005	06/08/90
2980 1,2-Dichloroethene	_____	_____	0.0005 U	EPA 524	0.0005	06/08/90
2981 1,1,1-trichloroethane	_____	_____	0.0005 U	EPA 524	0.0005	06/08/90
2982 Carbon Tetrachloride	_____	_____	0.0005 U	EPA 524	0.0005	06/08/90
2984 Trichloroethene	_____	_____	0.0005 U	EPA 524	0.0005	06/08/90
2987 Tetrachloroethene	_____	_____	0.0005 U	EPA 524	0.0005	06/08/90
2990 Benzene	_____	_____	0.0005 U	EPA 524	0.0005	06/08/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-081

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310 (2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	06/11/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	06/08/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	06/08/90
2977 1,1-Dichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	06/08/90
2984 Trichloroethane			0.0005 U	EPA 524	0.0005	06/08/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	06/08/90
2990 Benzene			0.0005 U	EPA 524	0.0005	06/08/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-081

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	06/14/90
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	06/14/90
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	06/14/90
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	06/14/90
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	06/13/90
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	06/13/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/07/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-06-081

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02A : NOTEST

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-06-081
Page No: 12

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Gross Alpha	3.2	88	06/15/90	JAB
Selenium	<1	101	06/10/90	CFG
Silver	<1	98	06/10/90	CFG
Lead	<1	93	06/11/90	JE
Barium	<1	103	06/11/90	BE
Cadmium	<1	108	06/11/90	BE
Chromium	<1	104	06/11/90	BE
Copper	<1	101	06/11/90	BE
Sodium	<1	104	06/11/90	BE
Iron	<1	103	06/11/90	BE
Manganese	<1	98	06/11/90	BE
Zinc	<1	106	06/11/90	BE
Calcium	<1	101	06/11/90	BE
Arsenic	<1	105	06/12/90	CFG
Mercury	<1	99	06/16/90	CFG
Odor	<1	N/A	06/08/90	WH
Color	<1	N/A	06/08/90	WH
Turbidity	<1	N/A	06/08/90	WH
Chloride	<1	103	06/08/90	WH
pH	<1	N/A	06/08/90	WH
Total Alkalinity	<1	101	06/08/90	WH
Nitrogen, Nitrite	<1	89	06/08/90	BE
Nitrogen, Nitrate	<1	95	06/08/90	BE
Sulfate	2	105	06/11/90	WH
Fluoride	1	105	06/11/90	WH
TDS	0	94	06/11/90	WH
MBAS	<1	94	06/11/90	WH

NOTE: The duplicate for Gross Alpha is reported as actual difference rather than percent as specified.

ORLANDO LABORATORIES, INC.

GC ORGANICS.

Page No: 13

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 06-15-1990

LAB SAMPLE # : 9006053-01A
ANALYSIS DATE : 06/14/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	0	109	109	111	111	2
HEPTACHLOR	100	0	126	126	118	118	7
ALDRIN	100	0	69	69	107	107	16
DIELDRIN	100	0	94	94	118	118	23
ENDRIN	100	0	106	106	113	113	6
4,4-DDT	100	0	111	111	122	122	9

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	56	123	15	46	127	50
HEPTACHLOR	40	131	20	35	130	31
ALDRIN	40	128	22	34	132	43
DIELDRIN	52	126	18	31	134	38
ENDRIN	56	121	21	42	139	45
4,4-DDT	38	127	27	23	134	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

Page No: 14

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 06-11-1990

LAB SAMPLE # : 9006064-01a
ANALYSIS DATE : 06/11/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	55	55	50	56	5

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	35	55	20	35	50	20

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

Page No: 15

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 06-10-1990

LAB SAMPLE # : 9004300-1
ANALYSIS DATE : 6/8/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS 1 RECOVERY	MSD RESULT	MSD1 RECOVERY	RPD
1,1-dichloroethene	50	0	54	108	55	110	2
trichloroethene	50	0	57	114	54	108	5
benzene	50	0	60	120	54	108	11
toluene	50	0	54	108	50	100	8
chlorobenzene	50	0	54	108	53	106	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	61	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

ORLANDO LABORATORIES, INC.

GC ORGANICS

Page No: 16

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 06-13-1990

LAB SAMPLE # : 9006080-01a
ANALYSIS DATE : 06/13/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS & RECOVERY	MSD RESULT	MSD & RECOVERY	RPD
2,4,5-TP (silvex)	100	0	41	42 *	55	55	27

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
2,4,5-TP (silvex)	53	132	38	50	130	35

End of Report

[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0396

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Grand Terrace
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Turbidity, Volatile, Organic, Inorganic, Sec. Chem. &
Subcontracted Lab Certification Number (if any): N/A Radiological Analysis.

SAMPLE INFORMATION

Sample Date (MMDDYY): 06/06/90
Laboratory Sample Number: 90-06-081
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☐ Well ☐ Re-sample
☐ Special _____
Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 1/1 N/A ^{604 → 6/13/90}
Laboratory Contact: Eric Malarek ^{615 → 6/11/90}
Re-sample Requested? (check one): ☐ Yes ☐ No ^{504 → 6/9/90}
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
Name: Eric Malarek
Title: Quality Control Officer
Laboratory: Orlando Laboratories, Inc.
Date: 6-29-90

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ORLANDO LABORATORIES INC.

AUG 2 1990

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-07-307
Date Received: 07/25/90
Date Reported: 07/30/90
OLI Contact: E_HOBBS

Work ID: 575 Grand Terrace
Total Samples: 1

Sampling information is based on data supplied by Client

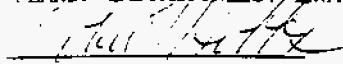
SAMPLE IDENTIFICATION
01 Grand Terrace

TEST CODES and NAMES used on this report
ODOR Odor Threshold

NOTE: MBAS may be found on report 90-06-081.

OLI Florida Department of Health & Rehabilitative Services Identification Numbers are:
Drinking Water Certification Number 41141, Environmental Certification Number 783031

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


ERIC
LABORATORY DIRECTOR


ERIC HELANEK
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 07/25/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-07-307

SAMPLE ID	<u>Grand Terrace</u>	SAMPLE #	<u>Q1A</u>
DATE COLLECTED	<u>07/25/90 10:15:00</u>	MATRIX	<u>WATER</u>
DOOR	<u>1.0</u>		
	<u>T.O.N.</u>		

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-07-307
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES</u> <u>% DIFFERENCE</u>	<u>SPIKES</u> <u>% RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	N/A	07/25/90	DF

End of Report



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

№ 05959

Page _____ of _____

INVOICE TO (COMPANY AND INDIVIDUAL)			ADDRESS (CITY, STATE, ZIP)			1 CONTACT PERSON/PHONE # INVOICE			2 OLD WORK ORDER # (LAB USE)		
SSU Services			1000 color place			1-800-432-4501			9007307		
ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL)			ADDRESS (CITY, STATE, ZIP)			4 CONTACT PERSON/PHONE # REPORT			5 RB NUMBER (LAB USE)		
Aaron Perlowich			Apopka, Fla. 32703			407-880-0100			1513		
7 (OPTIONAL) ADDITIONAL REPORTS SENT TO			7 ADDRESS (CITY, STATE, ZIP)			17 NUMBER OF CONTAINERS			18 REQUESTED ANALYSIS		
8 CLIENT PROJECT NAME			9 CLIENT PROJECT #			19 REMARKS			20 COOLER #s		
Grand Terrace			575								
10 SAMPLE IDENTIFICATION		11 DATE/TIME		12		13 SAMPLE DESCRIPTION		14		15	
Grand Terrace		7/25/90 10:45 AM		COMP		point of distribution		16		17	
				GRAB				18		19	
				WATER				20		21	
				SOIL				22		23	
				OTHER				24		25	
								26		27	
								28		29	
								30		31	
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								144		145	
								146		147	
								148		149	

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0401



ORLANDO LABORATORIES INC

AUG 15 1990

File

P.O. Box 149127 • Orlando, Florida 32814
REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlwich

Work Order # : 90-08-077
Date Received: 08/07/90
Date Reported: 08/10/90
OLI Contact: E_HOBBS

Work ID: 575 Grand Terrace
Total Samples: 1

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Grand Terrace

TEST CODES and NAMES used on this report
ODOR Odor Threshold

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES INC.

[Signature]
Acting
LABORATORY DIRECTOR

[Signature]
Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-8588

ORLANDO LABORATORIES, INC.
Received: 08/07/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-077

SAMPLE ID	<u>Grand Terrace</u>	SAMPLE #	<u>Q1A</u>
DATE COLLECTED	<u>08/07/90 10:15:00</u>	MATRIX	<u>WATER</u>
ODOR	<u>1.0</u>		
	<u>T.O.N.</u>		

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-08-077
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES % DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	N/A	08/08/90	RJW

End of Report

Page ____ of ____

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0405



ORLANDO LABORATORIES ^{INC}

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-08-102
Date Received: 08/08/90
Date Reported: 08/15/90
OLI Contact: E_HOBBS

Work ID: 575 Grand Terrace
Total Samples: 1

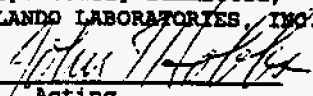
Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Grand Terrace

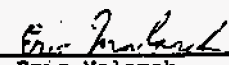
TEST CODES and NAMES used on this report
ODOR Odor Threshold

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

(407) 896-6845

(800) 826-8320

FAX (407) 896-6588

ORLANDO LABORATORIES, INC.
Received: 08/08/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-102

SAMPLE ID	<u>Grand Terrace</u>	SAMPLE #	<u>01A</u>
DATE COLLECTED	<u>08/08/90</u>	MATRIX	<u>WATER</u>
ODOR	<u>1.0</u>		
	<u>T.O.N.</u>		

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-08-102
Page: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES % DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	NA	08/09/90	RAW

End of Report



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

№ 05963

Page _____ of _____

[illegible]

ORIGINAL - LAB
YELLOW - FILE
COPY - CLIENT

0409



ORLANDO LABORATORIES^{INC}

Don

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-09-308
Date Received: 09/27/90
Date Reported: 10/04/90
OLI Contact: E_HOBBS

Work ID: 575 #3354697 Grand Terrace
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

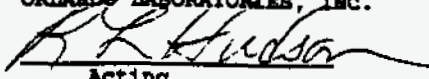
01 Well
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report
PWS028 Volatile Organic Analysis

2nd Qtr. VOC

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number 883033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

(407) 896-6645

(800) 826-8320

FAX (407) 896-6588

PUBLIC DRINKING WATER ANALYSIS REPORTING FORM

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3354697
Public Water System Name: Grand Terrace
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Volatile Organic Analysis

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 09/27/90
Laboratory Sample Number: 90-09-308
Sample Location: _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Re-sample
☐ Special _____
Sampler Name, Title, Phone: Don Cordy, Area Supervisor, 780-0057

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 09/27/90 (504)
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☒ No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane;
Volatile Organic; Organic Chemical; Secondary Chemical;
Radiological; Unregulated Organic Purgeable; Unregulated
Organic Pesticides; Unregulated Base Neutral Extractable;
Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature _____
Name Eric Malarek
Title Quality Control Officer
Laboratory Orlando Laboratories, Inc.
Date _____

Mail Results to the
Appropriate DER or
ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
Received: 09/27/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-308

SAMPLE ID Well
DATE COLLECTED 09/27/90 12:45:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2945 Ethylene dibromide			0.00002 U	EPA 504	0.00002	10/01/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	09/28/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	09/28/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	09/28/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	09/28/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	09/28/90
2982 Carbon tetrachloride			0.0005 U	EPA 524	0.0005	09/28/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	09/28/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	09/28/90
2990 Benzene			0.0005 U	EPA 524	0.0005	09/28/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 09/27/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-308

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Dat. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	10/01/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	09/28/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	09/28/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	09/28/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	09/28/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	09/28/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	09/28/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	09/28/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	09/28/90
2990 Benzene			0.0005 U	EPA 524	0.0005	09/28/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 09/27/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-09-308

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02A : NOTEST

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 10-01-1990

LAB SAMPLE # : 9009282-1&2
 ANALYSIS DATE : 10/01/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	0	0 *	62	62	0 *

COMMENTS : * = parameter outside GC limits.
 Spike compound(s) not found in MS or MSD run.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	50	100	20	35	90	20

high matrix interference on 282-1 prevented recovery calculations

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 10-03-1990

LAB SAMPLE # : 9009310-2 524
ANALYSIS DATE : 9/28/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	RS RESULT	RS 2 RECOVERY	RS3 RESULT	RS32 RECOVERY	RPS
1,1-dichloroethane	50	0	48	96	50	100	4
trichloroethane	50	0	54	108	48	96	12
benzene	50	0	52	104	53	106	2
toluene	50	0	53	106	55	110	4
chlorobenzene	50	0	54	108	53	106	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPS	LOWER	UPPER	RPS
1,1-dichloroethane	41	165	14	59	172	22
trichloroethane	71	120	14	42	137	24
benzene	76	127	11	44	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	40	133	21

End of Report

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1

[illegible]

ORIGINAL - LAB
YES / NO - EIBB

0417



ORLANDO LABORATORIES^{INC}

Plant File

Doc

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-12-283
Date Received: 12/19/90
Date Reported: 12/31/90
OLI Contact: L_BALTZLEY

Work ID: #575 Grand Terrace
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Grand Terrace Well
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report
PWS028 Volatile Organic Analysis

3rd Qtr.

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

[Signature]
Acting
LABORATORY DIRECTOR

Dedicated To Excellence

[Signature]
Eric Malarek
QUALITY CONTROL

(407) 898-6645

(800) 826-8320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-283

SAMPLE ID Grand Terrace Well
DATE COLLECTED 12/18/90 16:15:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PHS028

VOLATILE ORGANIC ANALYSIS
17-550.310 (2) (d)
(PHS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	12/20/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	12/20/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	12/20/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2981 1,1,1-Trichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	12/20/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2990 Benzene			0.0005 U	EPA 524	0.0005	12/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-283

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	12/20/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	12/20/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	12/20/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	12/20/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2990 Benzene			0.0005 U	EPA 524	0.0005	12/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 12/13/90

REPORT OF ANALYSIS
Nonreported Work

Work Order # 90-10-083

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02# MUTEET

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 12-23-1990

LAB SAMPLE # : 9012284-2 524
ANALYSIS DATE : 12/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS ± RECOVERY	MSD RESULT	MSD± RECOVERY	RPD
1,1-dichloroethene	50	0	52	104	60	120	14
trichloroethene	50	0	61	122 *	51	102	18 *
benzene	50	0	51	102	52	104	2
toluene	50	0	57	114	54	108	5
chlorobenzene	50	0	59	118	53	106	11

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	61	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 12-20-1990

LAB SAMPLE # : 9012283&284-1
ANALYSIS DATE : 12/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	50	50	53	53	6

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	50	100	20	35	90	20

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: GRAND TERRACE
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Volatile Organic Analysis

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 12/18/90
Laboratory Sample Number: 90-12-283
Sample Location: _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special _____

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 12/19/90 (504)
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity__ ; Inorganic__ ; Trihalomethane__ ;
Volatile Organic__ ; Organic Chemical__ ; Secondary Chemical__ ;
Radiological__ ; Unregulated Organic Purgeable__ ; Unregulated
Organic Pesticides__ ; Unregulated Base Neutral Extractable__ ;
Unregulated Acid Extractable__ ; (Check all analyses which apply.)

I do HEARBY CERTIFY that all data submitted is correct.

Signature Eric Malarek

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

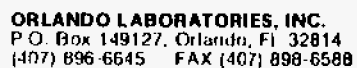
Date 12/31/90

Mail Results to the
Appropriate DER or
ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

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Page 1 of 1

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0426



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 30, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulations
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Fern Terrace PWS ID #3350370
Piney Woods/Spring Lake PWS ID #3351021
Stone Mountain PWS ID #3351282
Imperial Terrace PWS ID #3350584
Skycrest PWS ID #3351205
✓ Grand Terrace PWS ID #3354697
Sunshine Parkway PWS ID #3350691

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis, Unregulated Organic Purgeables, Unregulated Organic Pesticides, Unregulated Base Neutral Extracts and Unregulated Acid Extractables for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 16 1991

PO Number: B91053

PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

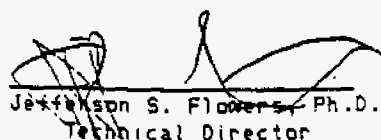
Lab Number : 16557

REPORT OF ANALYSIS

					16557	Grand Totals 446 Qtr.
Parameter	Unit	Method	%ACC	%PRC		
		Detection				
		Limit				
Ethylene dibromide	mg/L	0.000005	95.4	5.11	<0.000005	
Para-dichlorobenzene	mg/L	0.001	106	1.67	<0.001	
Vinyl chloride	mg/L	0.001	97.8	1.96	<0.001	
1,1-dichloroethene	mg/L	0.001	97.8	1.96	<0.001	
1,2-dichloroethane	mg/L	0.001	106	1.70	<0.001	
1,1,1-trichloroethane	mg/L	0.001	96.9	1.10	<0.001	
Carbon tetrachloride	mg/L	0.001	98.0	1.21	<0.001	
Trichloroethene	mg/L	0.001	97.1	.546	<0.001	
Tetrachloroethene	mg/L	0.001	100	.986	<0.001	
Benzene	mg/L	0.001	92.4	.284	<0.001	
Chloromethane	mg/L	0.001	101	1.47	<0.001	
Dichlorodifluorometh	mg/L	0.001	98.0	1.21	<0.001	
Bromomethane	mg/L	0.001	101	1.47	<0.001	
Chloroethane	mg/L	0.001	97.8	1.96	<0.001	
Trichlorofluorometha	mg/L	0.001	98.0	1.21	<0.001	
trans-1,3,-dichlorop	mg/L	0.001	107	.457	<0.001	
cis-1,3-dichloroprop	mg/L	0.001	108	1.15	<0.001	
Methyl-tert-butyleth	mg/L	0.001	107	7.16	<0.001	
cis-1,2-dichloroethe	mg/L	0.001	108	1.15	<0.001	
Dibromomethane	mg/L	0.001	101	1.47	<0.001	
1,1-dichloropropene	mg/L	0.001	97.3	0.95	<0.001	
1,3-dichloropropane	mg/L	0.001	107	.457	<0.001	
1,2,3-trichloropropa	mg/L	0.001	111	4.66	<0.001	
2,2-dichloropropane	mg/L	0.001	97.8	1.96	<0.001	
1,2-dibromo-3-chloro	mg/L	0.001	111	4.66	<0.001	
Chloroform	mg/L	0.001	95.4	.495	<0.001	

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page : 01 J

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
215 237 129-4284
215 237 129-4284

0428

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 16 1991

PO Number: B91053

PO Number

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

Lab Number : 16557

REPORT OF ANALYSIS

					16557
Parameter	Unit	Method Detection	%ACC	%PRC	
		Limit			
Bromoform	mg/L	0.001	106	.818	<0.001
Bromodichloromethane	mg/L	0.001	101	.546	<0.001
Dibromochloromethane	mg/L	0.001	103	.315	<0.001
p-xylene	mg/L	0.001	102	1.09	<0.001
Methylene chloride	mg/L	0.001	101	1.47	<0.001
o-chlorotoluene	mg/L	0.001	108	3.16	<0.001
p-chlorotoluene	mg/L	0.001	91.8	.875	<0.001
m-dichlorobenzene	mg/L	0.001	108	1.38	<0.001
o-dichlorobenzene	mg/L	0.001	99.4	.848	<0.001
1,1-dichloroethane	mg/L	0.001	94.5	1.15	<0.001
trans-1,2-dichloroet	mg/L	0.001	105	2.36	<0.001
1,2-dichloropropane	mg/L	0.001	97.7	.129	<0.001
1,1,2-trichloroethan	mg/L	0.001	105	1.07	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	104	1.99	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	104	1.43	<0.001
Chlorobenzene	mg/L	0.001	94.3	.441	<0.001
Toluene	mg/L	0.001	91.8	.875	<0.001
Ethylbenzene	mg/L	0.001	94.1	1.34	<0.001
Bromobenzene	mg/L	0.001	94.3	.441	<0.001
m-xylene	mg/L	0.001	102	1.09	<0.001
Styrene	mg/L	0.001	91.8	.875	<0.001
o-xylene	mg/L	0.001	102	1.09	<0.001
Dalapon	mg/L	0.000081	99.8	5.32	<0.000001
Oxamyl (Vydate)	mg/L	0.002	93.8	5.66	<0.002
Simazine	mg/L	0.007	101	.699	<0.007
Picloram	mg/L	0.00007	92.0	6.15	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.



Jonathan S. Flowers, Ph.D.
Technical Director

Page 2 of 4

Jonathan S. Flowers, Ph.D.
Jonathan S. Flowers, Ph.D.
4811 NEWBURYPORT
P.O. BOX 150197
ALTA MONTE SPRINGS
FLORIDA 32715-0197
TEL: 407/351-5524
FAX: 407/351-5524

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 6 1991

PO Number: 891053

PO Number

FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

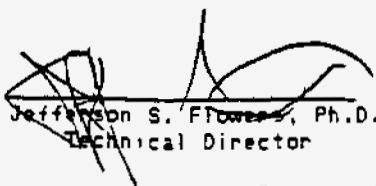
Lab Number : 16557

REPORT OF ANALYSIS

16557					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	114	6.85	<0.00001
Aldicarb sulfoxide	mg/L	0.002	94.8	2.61	<0.002
Aldicarb sulfone	mg/L	0.002	81.0	19.2	<0.002
Metolachlor	mg/L	0.0005	110	11.6	<0.0005
Carbofuran	mg/L	0.001	99.0	2.86	<0.001
Aldicarb	mg/L	0.002	98.0	.000	<0.002
Atrazine	mg/L	0.002	102	.522	<0.002
Alachlor (Lasso)	mg/L	0.0002	109	4.85	<0.0002
Heptachlor	mg/L	0.000005	102	.834	<0.000005
Aldrin	mg/L	0.00007	110	.642	<0.00007
Dieldrin	mg/L	0.00001	97.1	8.88	<0.00001
Dicamba	mg/L	0.00001	93.3	6.45	<0.00001
Chlordane	mg/L	0.00001	101	2.39	<0.00001
Pentachlorophenol	mg/L	0.005	88.7	2.07	<0.005
Hexachlorocyclopenta	mg/L	0.001	90.5	11.7	<0.001
Dioxin	mg/L	0.00001	97.9	3.61	<0.00001
Isophorone	mg/L	0.001	96.2	3.47	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.9	6.20	<0.001
Dimethylphthalate	mg/L	0.001	98.7	3.64	<0.001
Diethylphthalate	mg/L	0.001	102	4.04	<0.001
Di-n-butylphthalate	mg/L	0.001	92.4	5.8	<0.001
Butyl benzyl phthala	mg/L	0.001	94.9	6.27	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	98	4.43	<0.001
1,2,4-trichlorobenze	mg/L	0.001	98.3	4.44	<0.001
PCB_1016	mg/L	0.0001	96.7	1.32	<0.0001
PCB_1221	mg/L	0.0001	96.3	1.91	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 3 of 4

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FLORIDA 32714-0597
TEL: 407/330-5084
FAX: 407/330-5085

0430

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 1991

PO Number: B91053

PO Number

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar27 1991

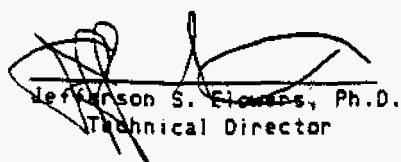
Lab Number : 16557

REPORT OF ANALYSIS

					16557
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB_1232	mg/L	0.0001	104	.408	<0.0001
PCB_1242	mg/L	0.0001	105	2.02	<0.0001
PCB_1248	mg/L	0.0001	99.4	3.41	<0.0001
PCB_1254	mg/L	0.0001	96.7	1.90	<0.0001
PCB_1260	mg/L	0.0001	103	3.15	<0.0001
Dioctylphthalate	mg/L	0.001	99	1.21	<0.001
2-chlorophenol	mg/L	0.001	95.7	1.45	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	103	1.95	<0.001
Phenol	mg/L	0.001	98.6	3.79	<0.001
2,4,6-trichloropheno	mg/L	0.001	99.7	2.82	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS 352 335-1586

0431

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3354697
Public Water System Name: Grand Terrace
Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☒; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 16557

Sample Location (be specific):

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 4/5/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check one) ☒ Yes ☐ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/15/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16557	.00002	<.000005	EPA504.1	.000005	4/12/91
2969	Para-dichlorobenzene	16557	.075	<0.001	EPA502.2	0.001	4/5/91
2976	Vinyl chloride	16557	0.001	<0.001	EPA502.2	0.001	4/5/91
2977	1,1-dichloroethene	16557	0.007	<0.001	EPA502.2	0.001	4/5/91
2980	1,2-dichloroethane	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2981	1,1,1-trichloroethane	16557	0.2	<0.001	EPA502.2	0.001	4/5/91
2982	Carbon tetrachloride	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2984	Trichloroethene	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2987	Tetrachloroethane	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2990	Benzene	16557	0.001	<0.001	EPA502.2	0.001	4/5/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2212	Dichlorodifluoromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2214	Bromomethane	16557		<0.001	EPA502.2	0.001	4/5/91
2216	Chloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2218	Trichlorofluoromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2224	trans-1,3.-dichloropropene	16557		<0.001	EPA502.2	0.001	4/5/91
2228	cis-1,3-dichloropropene	16557		<0.001	EPA502.2	0.001	4/5/91
2251	Methyl-tert-butylether	16557		<0.001	EPA502.2	0.001	4/5/91
2380	cis-1,2-dichloroethene	16557		<0.001	EPA502.2	0.001	4/5/91
2408	Dibromomethane	16557		<0.001	EPA502.2	0.001	4/5/91
2410	1,1-dichloropropene	16557		<0.001	EPA502.2	0.001	4/5/91
2412	1,3-dichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2414	1,2,3-trichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2416	2,2-dichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2931	1,2-dibromo-3-chloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2941	Chloroform	16557		<0.001	EPA502.2	0.001	4/5/91
2942	Bromoform	16557		<0.001	EPA502.2	0.001	4/5/91
2943	Bromodichloromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2944	Dibromochloromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2962	p-xylene	16557		<0.001	EPA502.2	0.001	4/5/91
2964	Methylene chloride	16557		<0.001	EPA502.2	0.001	4/5/91
2965	o-chlorotoluene	16557		<0.001	EPA502.2	0.001	4/5/91
2966	p-chlorotoluene	16557		<0.001	EPA502.2	0.001	4/5/91
2967	m-dichlorobenzene	16557		<0.001	EPA502.2	0.001	4/5/91
2968	o-dichlorobenzene	16557		<0.001	EPA502.2	0.001	4/5/91
2978	1,1-dichloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2979	trans-1,2-dichloroethyl	16557		<0.001	EPA502.2	0.001	4/5/91
2983	1,2-dichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2985	1,1,2-trichloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2986	1,1,1,2-tetrachloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2988	1,1,2,2-tetrachloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2989	Chlorobenzene	16557		<0.001	EPA502.2	0.001	4/5/91

2991	Toluene	16557	<0.001	EPA502.2	0.001	4/5/91
2992	Ethylbenzene	16557	<0.001	EPA502.2	0.001	4/5/91
2993	Bromobenzene	16557	<0.001	EPA502.2	0.001	4/5/91
2995	m-xylene	16557	<0.001	EPA502.2	0.001	4/5/91
2996	Styrene	16557	<0.001	EPA502.2	0.001	4/5/91
2997	o-xylene	16557	<0.001	EPA502.2	0.001	4/5/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16557		<.000001	EPA515	.000001	4/12/91
2036	Oxamyl (Vydate)	16557		<0.002	EPA531	0.002	4/8/91
2037	Simazine	16557		<0.007	EPA505	0.007	4/12/91
2040	Picloram	16557		<0.00007	EPA515	0.00007	4/12/91
2041	Dinoseb	16557		<0.00001	EPA515	0.00001	4/12/91
2043	Aldicarb sulfoxide	16557		<0.002	EPA531	0.002	4/8/91
2044	Aldicarb sulfone	16557		<0.002	EPA531	0.002	4/8/91
2045	Metolachlor	16557		<0.0005	EPA505	0.0005	4/12/91
2046	Carbofuran	16557		<0.001	EPA531	0.001	4/8/91
2047	Aldicarb	16557		<0.002	EPA531	0.002	4/8/91
2050	Atrazine	16557		<0.002	EPA505	0.002	4/12/91
2051	Alachlor (Lasso)	16557		<0.0002	EPA505	0.0002	4/12/91
2065	Heptachlor	16557		<.000005	EPA508	.000005	4/5/91
2356	Aldrin	16557		<0.00007	EPA508	0.00007	4/5/91
2364	Dieldrin	16557		<0.00001	EPA508	0.00001	4/5/91
2440	Dicamba	16557		<0.00001	EPA515	0.00001	4/12/91
2959	Chlordane	16557		<0.00001	EPA508	0.00001	4/5/91
9114	Pentachlorophenol	16557		<0.005	EPA515	0.005	4/10/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16557		<0.001	EPA508	0.001	4/12/91
2063	Dioxin	16557		<0.00001	EPA613	0.00001	4/5/91
2262	Isoophorone	16557		<0.001	EPA609	0.001	4/10/91
2270	2,4-dinitrotoluene	16557		<0.001	EPA609	0.001	4/10/91
2282	Dimethylphthalate	16557		<0.001	EPA606	0.001	4/10/91
2284	Diethylphthalate	16557		<0.001	EPA606	0.001	4/10/91
2290	Di-n-butylphthalate	16557		<0.001	EPA606	0.001	4/10/91
2294	Butyl benzyl phthalate	16557		<0.001	EPA606	0.001	4/10/91
2298	Bis(2-ethylhexyl)phthalate	16557		<0.001	EPA606	0.001	4/10/91
2378	1,2,4-trichlorobenzene	16557		<0.001	EPA612	0.001	4/10/91
2388	PCB 1016	16557		<0.0001	EPA505	0.0001	4/5/91
2390	PCB 1221	16557		<0.0001	EPA505	0.0001	4/5/91
2392	PCB 1232	16557		<0.0001	EPA505	0.0001	4/5/91
2394	PCB 1242	16557		<0.0001	EPA505	0.0001	4/5/91
2396	PCB 1248	16557		<0.0001	EPA505	0.0001	4/5/91
2398	PCB 1254	16557		<0.0001	EPA505	0.0001	4/5/91

2400	PCB 1260	16557	<0.0001	EPA505	0.0001	4/5/91
9089	Diethylphthalate	16557	<0.001	EPA608	0.001	4/10/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16557		<0.001	EPA604	0.001	4/10/91
9112	2-methyl-4,6-dinitophe	16557		<0.001	EPA604	0.001	4/10/91
9115	Phenol	16557		<0.001	EPA604	0.001	4/10/91
9116	2,4,6-trichlorophenol	16557		<0.001	EPA604	0.001	4/10/91

Comments:

FLOWERS


**ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD**
**CHEMICAL
LABORATORIES
INCORPORATED**

CLIENT: SSU		ADDRESS		PHONE	
PROJECT NAME: B 91053		REQUIRED: ☐ Urgent ☒ Routine		DATE	

Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES: Swells 1 Sample NO AIR Bubbles
	HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/Ascorbic Acid	60ml	125ml	250ml	500ml	1L	2L	Whirl-Pak Bag	40ml Vial	250ml	500ml	1L	2L	
QTY																			
1																			X
10														X					

Kit Relinquished:	Date:	Kit Received:	Date:
	Time:		Time:

Parameters: **Phos Unreg** Client Identification/Description: **RAW WATER**

Laboratory Number:

16557	Down holes	Well 1	20.815 per well
	Gravel filter	Well 1	
	Impound filter	Well 1	
	SKY Crest	Well 1	
		Well 2	

Sample Collection	Date	Time
<u><i>James Smith</i></u>	<u>3-27-91</u>	<u> </u>
<u><i>James Smith</i></u>	<u>3-27-91</u>	<u>15:15</u>
<u><i>[Signature]</i></u>	<u>3/27/91</u>	<u>3:16</u>

Fern Terrace

Temp. 75°

Cond 400

pH 7.5

DO 3.9

Cl₂ 1.0

Skycrest

Temp 78°

Cond 444

pH 7.1

DO 3.1

Cl₂ 1.0

Grand Terrace

Temp 72°

Cond 429

pH 7.0

DO 3.0

Cl₂ 1.0

Imperial Terrace

Temp 73°

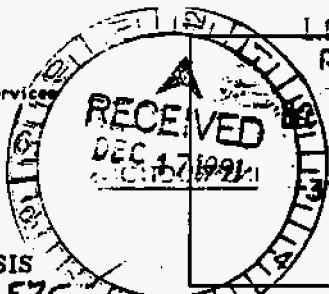
Cond 319

pH 7.5

DO 2.6

Cl₂ 1.2

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231



LD NO 13003
REC'D LAB USE ONLY
DEC 11 7 05 PM '91
G. KAZANIS

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Grand Terrace #575 SYSTEM ID NO: 3354617 SYSTEM PHONE #: 904-787-4504
ADDRESS: Terra Ct. 1900 on Benjamin Road SE of Ht COUNTY: Polk DER DISTRICT: Central
COLLECTOR: John H COLLECTOR PHONE #: 904-326-4045
SAMPLE SITE (Locality or Subdivision): Grand Island
DATE AND TIME COLLECTED: 12/10/91 4:30 pm
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other (Specify)
(Check box) (Check box) (Check box) (Check box)
[] Distribution [] TNC or [] Turbid
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	pH	ANALYSIS METHOD: RF	MON	TNT	MMO-MUG	PA
				SAMPLE NUMBER	COLIFORM	% TOTAL	CONFIRM TOTAL	CONFIRM FECAL
W	Well	0	/	055348	alginate	A		
T	Tank	10	/	055319	alginate	A		
R-1	12228 Grand Terr. DR	10	/	055320	alginate	A		
R-2	36241 Terra Ct	10	/	055321	alginate	A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present
A - Coliforms are absent

C - Confluent growth
TNTC - Too numerous to count

TA - Turbid, Absence of gas or acid

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

554 Semmes I
1000 Color Place
Apopka, Florida 32703

() SATISFACTORY
(X) INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES

REVIEWING OFFICIAL: JR

TITLE: DEE

Harmony Homes - 326

Seminole County (SSU)

Water

- 1992 FPSC Filing -

Harmony Homes

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	3/91
Organic	3/91
Volatile Organic Chemicals	3/91
	6/91
	9/91
	12/91
Turbidity	3/91
Microbiological	12/91
Radionuclide	3/91
Secondary Contaminants	3/91
Unregulated Contaminants	3/91



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 29, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803

Re: Holiday Haven PWS ID #348D547
 → Harmony Homes PWS ID #3590497
 Lake Harriet PWS ID #3590699
 Lake Brantley PWS ID #3590685

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis, Unregulated Organic Purgeables, Unregulated Organic Pesticides, Unregulated Base Neutral Extracts and Unregulated Acid Extractables for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
 Frank Sanderson
 Ralph Terrero
 Clara Dozier
 File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: B91052

PO Number

FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

Lab Number : 16444

REPORT OF ANALYSIS

Harmony Homes

16444

Parameter	Unit	Method	MACC	MPRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	27.2	9.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	112	2.33	<0.001
Vinyl chloride	mg/L	0.001	100	1.351	<0.001
1,1-dichloroethene	mg/L	0.001	100	1.351	<0.001
1,2-dichloroethane	mg/L	0.001	112	1.74	<0.001
1,1,1-trichloroethane	mg/L	0.001	98.3	1.989	<0.001
Carbon tetrachloride	mg/L	0.001	98.3	1.451	<0.001
Trichloroethene	mg/L	0.001	102	1.71	<0.001
Tetrachloroethene	mg/L	0.001	102	1.99	<0.001
Benzene	mg/L	0.001	94.7	1.433	<0.001
Chloromethane	mg/L	0.001	105	2.94	<0.001
Dichlorodifluorometh	mg/L	0.001	98.3	1.451	<0.001
Bromomethane	mg/L	0.001	105	2.94	<0.001
Chloroethane	mg/L	0.001	100	1.351	<0.001
Trichlorofluorometha	mg/L	0.001	98.3	1.451	<0.001
trans-1,2-dichloroeth	mg/L	0.001	105	1.28	<0.001
cis-1,2-dichloroeth	mg/L	0.001	111	11.3	<0.001
Heptafluorobenzene	mg/L	0.001	103	3.08	<0.001
cis-1,2-dichloroeth	mg/L	0.001	111	11.3	<0.001
Bromochloromethane	mg/L	0.001	105	2.94	<0.001
1,1-dichloroethene	mg/L	0.001	103	1.35	<0.001
1,2-dichloroethane	mg/L	0.001	105	1.28	<0.001
1,2,3-trichloropropane	mg/L	0.001	108	10.7	<0.001
2,2-dichloropropane	mg/L	0.001	100	1.351	<0.001
1,2-dibromochloroeth	mg/L	0.001	103	10.7	<0.001
Chloroform	mg/L	0.001	97.7	1.975	0.00252

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology

[Signature]
John S. Flowers, Ph.D.
Technical Director

Jeffrey L. Flowers, Ph.D.
Jeffrey L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 110-597
ALAMOGATE SPRINGS
FLORIDA 32137-0597
(407) 329-1242



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: B91052

PO Number

FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

Lab Number : 16444

REPORT OF ANALYSIS

					16444
Parameter	Unit	Method	MAAD	MPRO	
Detection					
Limit					
Bromoform	mg/L	0.001	115	12.1	0.00672
Bromodichloromethane	mg/L	0.001	99.3	3.77	0.00697
Dibromochloromethane	mg/L	0.001	112	4.36	0.0149
p-xylene	mg/L	0.001	112	2.45	<0.001
Methylchloride	mg/L	0.001	105	2.94	<0.001
o-chlorotoluene	mg/L	0.001	104	5.54	<0.001
o-chlorotoluene	mg/L	0.001	93.7	1.760	<0.001
m-dichlorobenzene	mg/L	0.001	113	1.49	<0.001
p-dichlorobenzene	mg/L	0.001	113	1.59	<0.001
1,1-dichloroethane	mg/L	0.001	97.8	1.17	<0.001
trans-1,2-dichloroet	mg/L	0.001	112	2.65	<0.001
1,2-dichloropropane	mg/L	0.001	101	1.865	<0.001
1,1,2-trichloroethan	mg/L	0.001	112	11.2	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	99.3	3.15	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	115	13.3	<0.001
Chlorobenzene	mg/L	0.001	101	1.37	<0.001
Toluene	mg/L	0.001	93.7	1.760	<0.001
Ethylbenzene	mg/L	0.001	95.4	1.04	<0.001
Bromobenzene	mg/L	0.001	101	1.37	<0.001
m-xylene	mg/L	0.001	112	2.45	<0.001
Styrene	mg/L	0.001	93.7	1.760	<0.001
o-xylene	mg/L	0.001	112	2.45	<0.001
Galaxol	mg/L	0.000001	99.3	4.29	<0.000001
Oxamyl Mvdate	mg/L	0.002	101	16.8	<0.002
Simazine	mg/L	0.007	102	1.31	<0.007
Picloram	mg/L	0.00007	102	3.97	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-59
PLANTATION SPRINGS
FLORIDA 32067-0059
TEL: 904/328-2211
FAX: 904/328-2212

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: 891052

 PO Number
 FDHRS Lab# : 83139
 FDER Lab# : E83018
 NCDEHNR Lab# : 296
 SCDHEC Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

Lab Number : 16444

REPORT OF ANALYSIS

					16444
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	108	.328	<0.00001
Aldicarb sulfoxide	mg/L	0.002	93.2	.000	<0.002
Aldicarb sulfone	mg/L	0.002	100	15.1	<0.002
Metolachlor	mg/L	0.0005	104	3.42	<0.0005
Carbofuran	mg/L	0.001	100	5.34	<0.001
Aldicarb	mg/L	0.002	92.0	6.71	<0.002
Atrazine	mg/L	0.002	103	1.20	<0.002
Alachlor (Lasso)	mg/L	0.0002	105	.673	<0.0002
Heptachlor	mg/L	0.000005	101	.702	<0.000005
Aldrin	mg/L	0.00007	109	1.17	<0.00007
Dieldrin	mg/L	0.00001	99.6	2.42	<0.00001
Dicamba	mg/L	0.00001	115	7.99	<0.00001
Chlorodane	mg/L	0.00001	100	3.39	<0.00001
Pentachlorophenol	mg/L	0.005	99.3	1.42	<0.005
Hexachlorocyclopenta	mg/L	0.001	91.5	6.81	<0.001
Dioxin	mg/L	0.00001	101	7.58	<0.00001
Isodrinone	mg/L	0.001	93.4	.424	<0.001
2,4-dinitrophenol	mg/L	0.001	99.3	1.42	<0.001
Dimethylphthalate	mg/L	0.001	100	5.30	<0.001
Diethylphthalate	mg/L	0.001	91.4	.204	<0.001
Dibutylphthalate	mg/L	0.001	99.9	2.41	<0.001
Butyl benzyl phthalate	mg/L	0.001	96.7	4.11	<0.001
Bis(2-ethylhexyl)phth	mg/L	0.001	97.2	7.19	<0.001
1,2,4-trichlorobenzene	mg/L	0.001	97.1	4.00	<0.001
PCB_1015	mg/L	0.0001	97.7	2.75	<0.0001
PCB_1221	mg/L	0.0001	99.0	2.00	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
 Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson L. Flowers, Ph.D.
 Technical Director

Jefferson L. Flowers, Ph.D.
 Jefferson L. Flowers, Ph.D.
 481 NEWBURYPORT
 P.O. BOX 150-597
 ALTAMONTE SPRINGS
 FLORIDA 32714-0597
 407-329-1282
 407-329-1283

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: 891052

PO Number
FDHRS Lab# : 83139
FOER Lab# : EB3013
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

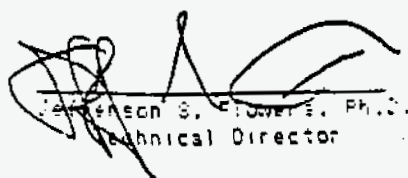
Lab Number : 16444

REPORT OF ANALYSIS

16444					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB_1222	mg/L	0.0001	102	2.36	<0.0001
PCB_1242	mg/L	0.0001	101	3.94	<0.0001
PCB_1248	mg/L	0.0001	102	3.19	<0.0001
PCB_1254	mg/L	0.0001	100	3.52	<0.0001
PCB_1260	mg/L	0.0001	98.7	4.14	<0.0001
Dioctylphthalate	mg/L	0.001	97.4	3.38	<0.001
2-chlorophenol	mg/L	0.001	94.9	7.03	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	100	2.18	<0.001
Phenol	mg/L	0.001	100	4.23	<0.001
2,4,6-trichloropheno	mg/L	0.001	101	3.56	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jefferson S. Flowers, Ph.D.
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ALTAMONTE SPRINGS
FLORIDA 32714-0577
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24 HRS FAX 813 887-1235

0445

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3580497
Public Water System Name: Harmony Hamlet
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 18444
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 3/22/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check one) ☒ Yes ☐ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/2/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16444	.00002	<.000005	EPA504.1	.000005	3/27/91
2969	Para-dichlorobenzene	16444	.075	<0.001	EPA502.2	0.001	3/22/91
2976	Vinyl chloride	16444	0.001	<0.001	EPA502.2	0.001	3/22/91
2977	1,1-dichloroethane	16444	0.007	<0.001	EPA502.2	0.001	3/22/91
2980	1,2-dichloroethane	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2981	1,1,1-trichloroethane	16444	0.2	<0.001	EPA502.2	0.001	3/22/91
2982	Carbon tetrachloride	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2984	Trichloroethane	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2987	Tetrachloroethane	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2990	Benzene	16444	0.001	<0.001	EPA502.2	0.001	3/22/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16444		<0.001	EPA502.2	0.001	3/22/91
2212	Dichlorodifluoromethane	16444		<0.001	EPA502.2	0.001	3/22/91
2214	Bromomethane	16444		<0.001	EPA502.2	0.001	3/22/91
2216	Chloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2218	Trichlorofluoromethane	16444		<0.001	EPA502.2	0.001	3/22/91
2224	trans-1,3-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2228	cis-1,3-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2251	Methyl-tert-butylether	16444		<0.001	EPA502.2	0.001	3/22/91
2380	cis-1,2-dichloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2408	Dibromomethane	16444		<0.001	EPA502.2	0.001	3/22/91
2410	1,1-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2412	1,3-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2414	1,2,3-trichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2416	2,2-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2931	1,2-dibromo-3-chloropropane	16444		<0.001	EPA502.2	0.001	3/22/91
2941	Chloroform	16444		0.00252	EPA502.2	0.001	3/22/91
2942	Bromoform	16444		0.00672	EPA502.2	0.001	3/22/91
2943	Bromodichloromethane	16444		0.00697	EPA502.2	0.001	3/22/91
2944	Dibromochloromethane	16444		0.0149	EPA502.2	0.001	3/22/91
2962	p-xylene	16444		<0.001	EPA502.2	0.001	3/22/91
2964	Methylene chloride	16444		<0.001	EPA502.2	0.001	3/22/91
2965	o-chlorotoluene	16444		<0.001	EPA502.2	0.001	3/22/91
2966	p-chlorotoluene	16444		<0.001	EPA502.2	0.001	3/22/91
2967	m-dichlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91
2968	o-dichlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91
2978	1,1-dichloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2979	trans-1,2-dichloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2983	1,2-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2985	1,1,2-trichloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2986	1,1,1,2-tetrachloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2988	1,1,2,2-tetrachloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2989	Chlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91

2991	Toluene	16444
2992	Ethylbenzene	16444
2993	Bromobenzene	16444
2995	m-xylene	16444
2996	Styrene	16444
2997	o-xylene	16444

Comments:

<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16444		<.000001	EPA515	.000001	3/26/91
2036	Oxamyl (Vydate)	16444		<0.002	EPA531	0.002	3/14/91
2037	Simazine	16444		<0.007	EPA505	0.007	3/26/91
2040	Picloram	16444		<0.00007	EPA515	0.00007	3/26/91
2041	Dinoseb	16444		<0.00001	EPA515	0.00001	3/26/91
2043	Aldicarb sulfoxide	16444		<0.002	EPA531	0.002	3/14/91
2044	Aldicarb sulfone	16444		<0.002	EPA531	0.002	3/14/91
2045	Metolachlor	16444		<0.0005	EPA505	0.0005	3/26/91
2046	Carbofuran	16444		<0.001	EPA531	0.001	3/14/91
2047	Aldicarb	16444		<0.002	EPA531	0.002	3/14/91
2050	Atrazine	16444		<0.002	EPA505	0.002	3/26/91
2051	Alachlor (Lasso)	16444		<0.0002	EPA505	0.0002	3/26/91
2065	Heptachlor	16444		<.000005	EPA508	.000005	3/20/91
2356	Aldrin	16444		<0.00007	EPA508	0.00007	3/20/91
2364	Dieldrin	16444		<0.00001	EPA508	0.00001	3/20/91
2440	Dicamba	16444		<0.00001	EPA515	0.00001	3/26/91
2959	Chlordane	16444		<0.00001	EPA508	0.00001	3/20/91
9114	Pentachlorophenol	16444		<0.005	EPA515	0.005	4/1/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16444		<0.001	EPA508	0.001	3/20/91
2063	Dioxin	16444		<0.00001	EPA613	0.00001	3/20/91
2262	Isophorone	16444		<0.001	EPA609	0.001	4/1/91
2270	2,4-dinitrotoluene	16444		<0.001	EPA609	0.001	4/1/91
2282	Dimethylphthalate	16444		<0.001	EPA608	0.001	4/1/91
2284	Diethylphthalate	16444		<0.001	EPA606	0.001	4/1/91
2290	Di-n-butylphthalate	16444		<0.001	EPA608	0.001	4/1/91
2294	Butyl benzyl phthalate	16444		<0.001	EPA606	0.001	4/1/91
2298	Bis(2-ethylhexyl)phthalate	16444		<0.001	EPA606	0.001	4/1/91
2378	1,2,4-trichlorobenzene	16444		<0.001	EPA612	0.001	4/1/91
2388	PCB-1016	16444		<0.0001	EPA505	0.0001	3/20/91
2390	PCB-1221	16444		<0.0001	EPA505	0.0001	3/20/91
2392	PCB-1232	16444		<0.0001	EPA505	0.0001	3/20/91
2394	PCB-1242	16444		<0.0001	EPA505	0.0001	3/20/91
2396	PCB-1248	16444		<0.0001	EPA505	0.0001	3/20/91
2398	PCB-1254	16444		<0.0001	EPA505	0.0001	3/20/91

2400	PCB-1260	16444	<0.0001	EPA505	0.0001	3/20/91
9089	Diethylphthalate	16444	<0.001	EPA608	0.001	4/1/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16444		<0.001	EPA604	0.001	4/1/91
9112	2-methyl-4,6-dinitrophenol	16444		<0.001	EPA604	0.001	4/1/91
9115	Phenol	16444		<0.001	EPA604	0.001	4/1/91
9116	2,4,6-trichlorophenol	16444		<0.001	EPA604	0.001	4/1/91

Comments:

**CHEMICAL
LABORATORIES
(INDUSTRIAL)**

Page 37

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Jefferson S. Flowers, Ph.D.

481 NEWBURYPORT
P O BOX 152 507
HAMMONT BUILDING
NEWBURYPORT MASS 01960

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU

Date Reported: Apr 2 1991

PO Number: B91052

1000 Color Place
Apopka, FL 32703

PO Number: Harmony Homes

FDHRS Lab# : 83139
FOER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Dist. water

Date Received:

Mar 20 1991

Lab Number : 16500

REPORT OF ANALYSIS

					16500
Parameter	Unit	Method	MAAD	MPRC	
		Detection			
		Limit			
Turbidity	NTU	0.05	100	7.37	0.65
Arsenic	mg/L	0.0005	101	.912	<0.0005
Barium	mg/L	0.01	93.0	2.01	0.17
Cadmium	mg/L	0.001	103	.936	0.004
Chromium	mg/L	0.005	111	.764	<0.005
Fluoride	mg/L	0.05	101	1.30	0.0876
Lead	mg/L	0.001	96.0	.400	<0.001
Mercury	mg/L	0.0002	100	4.54	<0.0002
Nitrate (as N)	mg/L	0.01	95.3	.276	0.17
Selenium	mg/L	0.0005	92.0	3.74	0.000801
Silver	mg/L	0.005	96.4	.363	<0.005
Sodium	mg/L	0.002	103	.661	10.3
Endrin	mg/L	0.000001	99.3	3.41	<0.000001
Lindane	mg/L	0.000001	96.4	2.59	<0.000001
Methoxychlor	mg/L	0.00001	104	6.20	<0.00001
Toxaphene	mg/L	0.0001	106	.935	<0.0001
2,4-D	mg/L	0.00005	115	2.76	<0.00005
2,4,5-TP (S:Hex)	mg/L	0.00002	93.0	11.5	<0.00002
Calcium	mg/L	0.1	99.3	.480	61.7
Chloride	mg/L	0.15	93.5	.522	23.9
Carbonate_CaCO3	mg/L	0.1			168.6
Hydroxide_CaCO3	mg/L	0.1			0.0
Copper	mg/L	0.005	103	.761	0.005
Bicarbonate_CaCO3	mg/L	0.1			168.3
Carbonate_Alkalinity	mg/L	0.1			0.2
Hydrogen_Sulfide	mg/L	0.5			-

Data Release Authorized on

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL 04 and EPA approved methodology.

[Signature]
Jefferson E. Flowers, Ph.D.
Technical Director

Jefferson E. Flowers Ph.D.
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ALFAMONTE SPRINGS
FLORIDA 32715-0500
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FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32702

Date Reported: Apr 2 1991

PO Number: B91052

PO Number: Harmony Homes

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: dist. water

Date Received:

Mar 20 1991

Lab Number : 16500

REPORT OF ANALYSIS

					16500
Parameter	Unit	Method	XACC	XPRC	
		Detection			
		Limit			
Iron	mg/L	0.01	119	1.93	0.308
Magnesium	mg/L	0.01	107	1.30	11.8
Manganese	mg/L	0.005	106	.407	0.025
Sulfate	mg/L	0.2	99.2	1.22	6.09
Zinc	mg/L	0.001	106	1.72	0.001
Carbon Dioxide	mg/L	0.1			21.9
Color	mg/L	5	-	.000	15
Total Hardness	mg/L	0.1			202.5
NCH ₂₅ CaCO ₃	mg/L	0.1			33.9
Odor/TON	TON	1	-	.000	0.1
Field pH	pH	0.01			-
Lab pH	pH	0.01	100	.337	7.19
Field Conductivity	umhos/cm	0.01			-
Total Alkalinity	mg/L	0.1	99.4	.667	169
TDS	mg/L	2.5	100	.508	223
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			0.1
Langelier Index	LI	0.01			-0.27
Saturation Index	pHs	0.01			7.46
Stability Index	pH	0.01			7.72
Foaming Agents	mg/L	0.1	99.7	1.02	0.1
Field DO	mg/L	0.1			-
Field Chlorine	mg/L	0.1			-
Gross alpha (incl. Ra)	pCi/L	1			4.5

Date Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 2

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FLORIDA 32165-0150
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FAX 813-307-1111

0452

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590497
Public Water System Name: Harmony Homes
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☒; Inorganic ☒; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☒; Secondary Chemical ☒; Radiological ☒;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number For Radiological Parameters: HRS82139

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 16500
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☒ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☒ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: 4/1/91
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/2/91

DER/ACPHU Reviewing Official: _____

Mail Results to the
Appropriate DER or ACPHU Office: _____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/88 ☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	16500	1	.650	EPA180.1	0.05	3/25/91

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	16500	0.05	.000148	EPA206.3	0.0005	3/28/91
1010	Barium	16500	1	.170	EPA208.1	0.01	3/29/91
1015	Cadmium	16500	0.01	.00400	EPA213.1	0.001	3/22/91
1020	Chromium	16500	0.05	<0.005	EPA218.1	0.005	3/27/91
1025	Fluoride	16500	4	.0876	EPA340.1	0.05	3/26/91
1030	Lead	16500	0.05	<0.01	EPA239.2	0.001	3/22/91
1035	Mercury	16500	0.002	<0.0002	EPA245.1	0.0002	3/27/91
1040	Nitrate(as N)	16500	10	.170	EPA353.1	0.01	03-27-91
1045	Selenium	16500	0.01	.000801	EPA270.3	0.0005	3/28/91
1050	Silver	16500	0.05	<0.005	EPA272.1	0.005	3/27/91
1052	Sodium	16500	160	10.3	EPA273.1	0.002	3/25/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	16500	0.0002	<.000001	EPA508	.000001	4/1/91
2010	Lindane	16500	0.004	<.000001	EPA508	.000001	4/1/91
2015	Methoxychlor	16500	0.1	<0.00001	EPA508	0.00001	3/29/91
2020	Toxaphene	16500	0.005	<0.0001	EPA508	0.0001	4/1/91
2105	2,4-D	16500	0.1	<0.00005	EPA515	0.00005	3/29/91
2110	2,4,5-TP(Silvex)	16500	0.01	<0.00002	EPA515	0.00002	3/29/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	16500	250	61.7	EPA215.1	0.1	3/29/91
1017	Chloride	16500		22.9	EPA300.0	0.015	03-25-91
1019	Carbonate CaCO3	16500		168.6	SM314A	0.1	3/29/91
1021	Hydroxide CaCO3	16500	1	0.0	SM406C	0.1	3/29/91
1022	Copper	16500		<0.005	EPA220.1	0.005	3/21/91
1023	Bicarbonate CaCO3	16500		168.3	SM406C	0.1	3/29/91
1026	Carbonate Alkalinity	16500		0.2	SM406C	0.1	3/29/91

1027	Hydrogen Sulfide	16500		EPA376.1	0.5	
1028	Iron	16500	0.3	.308	EPA236.1	0.01 3/21/91
1031	Magnesium	16500		11.8	EPA242.1	0.01 3/29/91
1032	Manganese	16500	0.05	.0250	EPA243.1	0.005 3/25/91
1055	Sulfate	16500	250	6.09	EPA300.0	0.200 3/28/91
1095	Zinc	16500	5	<0.001	EPA289.1	0.001 3/21/91
1901	Carbon Dioxide	16500		21.9	SM406C	0.1 3/29/91
1905	Color	16500	15	15.0	EPA110.1	5 3/27/91
1915	Total Hardness	16500		202.5	SM314A	0.1 3/29/91
1917	NCH as CaCO3	16500		33.9	SM314A	0.1 3/29/91
1920	Odor(TON)	16500	3	<1	EPA140.1	1 3/27/91
1924	Field pH	16500	6.5-8.5	7.2	EPA150.1	0.01
1925	Lab pH	16500	6.5-8.5	7.19	EPA150.1	0.01 3/22/91
1926	Field Conductivity	16500		-		0.01
1927	Total Alkalinity	16500		169	EPA310.1	0.1 3/29/91
1930	TDS	16500	500	223	EPA160.1	2.5 3/22/91
1931	Phenolphthalein Alk.	16500			EPA310.1	0.1
1996	Field Temp. (C)	16500		23.9	25	- 1 3/29/91
1997	Langelier Index	16500	-0.2:+0.2	-0.27	SM203	0.01 3/29/91
1998	Saturation Index	16500		7.46	SM203	0.01 3/29/91
1999	Stability Index	16500		7.72	SM203	0.01 3/29/91
2909	Foaming Agents	16500	0.5	<0.1	EPA425.1	0.1 4/1/91
9996	Field DO	16500		5	-	0.1
9997	Field Chlorine	16500		1.7	-	0.1
Comments: <u>Field Conductivity</u>				784		

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(pCi/l)	Analytical Method	Det.Limit Used	Analysis Date
4000	Gross alpha incl. Ra & U	16500	5	4.5	EPA900	1	4/2/91
Comments:							

FLOWERS

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORDCHEMICAL
LABORATORIES
INCORPORATED

CLIENT: SSU		ADDRESS: Apogee Trn 1000 Color Place		PHONE: 880-0100																	
PROJECT NAME: 391052		REQUIRED: ☐ Urgent ☒ Routine		DATE: 3/20/91																	
Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES: 4 Plant 45 samples		
	QTY	HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/Ascorbic Acid	60ml	125ml	250ml	500ml	1L	2L	Whirl-Pak Bag	40ml Vial	250ml	500ml	1L		2L	4L
	1	X								X											
	1										X							X			
	1											X									
	1	X								X											

KJ Relinquished: James Johnson		Date: 3/20/91 Time: 3:15 pm		Kit Received:		Date:	
Parameters: Pd, As, Pb, Se, GA		Laboratory Number		Client Identification/Description: Dist. Water			
		Chulucota					
16500		Harmory Harms		3590497			
		Lake Harriett		Field Conditions:			
				Cl ₂		1.7	
		Lake Brantley		pH		7.2	
				Temp		75°F	
		Conductivity 784		DO		5 mg/L	
Sample Collection		James Johnson		Date: 3/20/91		Time: 2:30 pm	
Transportation							
Lab Acceptance				Date: 3/20/91		Time: 3:15	

Page _____ of _____

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.454 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRING
FLORIDA 32714-0597
813-321-1500



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

June 3, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Seminole County PW
Chuluota PWS ID #3590186
Harmony Homes PWS ID #3590497
Lake Harriett PWS ID #3590699
Lake Brantley PWS ID #3590685

Dear Ms. Carrasquillo,

Please find enclosed results for Volatile Organic Analysis second quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder
Division Supervisor

DBC/jlm

cc: Charles Sweat
Clara Dozier
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

Southern States
1000 Colon Pl.
Apopka, FL 32703

Date Reported: Jun25 1991

PO Number: N/A

PO Number N/A

FDHRS Lab# : 83139

FDER Lab# : 883018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: Water Sample

Date Received:

Jun20 1991

Lab Number : 17194

REPORT OF ANALYSIS

Parameter	Unit	Method	17194		
			%ACC	%PRC	
		Detection			
		Limit			
Styrene monomer	mg/L	0.000005	85.5	6.14	<0.000005
Para-methylchlorobenzene	mg/L	0.001	102	2.16	<0.001
Mono-methylchloride	mg/L	0.001	96.1	4.39	<0.001
1,1-dichloroethene	mg/L	0.001	95.1	4.39	<0.001
1,1,2-trichloroethene	mg/L	0.001	113	3.25	<0.001
1,1,1-trichloroethane	mg/L	0.001	101	4.48	<0.001
Carbon tetrachloride	mg/L	0.001	98.5	4.28	<0.001
Trichloroethene	mg/L	0.001	99.7	3.98	<0.001
Tetrachloroethene	mg/L	0.001	96.0	3.69	<0.001
Benzene	mg/L	0.001	94.9	1.68	<0.001

Date Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page : 04

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32714-0597
BUS 407 327-4982
FAX 407 327-4117

0458

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590497
Public Water System Name: Harmony Home
Public Water System Type (check one):
☒ () Commun () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic_X___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17194
Sample Location (be specific): 1-Well
Sample Type (check all applicable):
☐ () Check ☐ () Regular Distribution ☐ () Composite
☐ () Clearance ☐ () Maximum Residence Time ☐ () Plant Tap
☒ () Raw ☒ () Well ☐ () Resample
☐ () Special 2nd Qtr. VOC
Sampler Name, Title Phone: Jim Johnson

ANALYSIS INFORMATION

Extraction Date ___/___/___
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che () Yes (X) No
ANALYSIS SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 6/24/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.D1: Sample Interpretation (check one):
Effective 06/01/91 () Satisfactory () Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17194	.00002	<.000005	EPA504.1	.000005	6/21/91
2969	Para-dichlorobenzene	17194	.075	<0.001	EPA502.2	0.001	6/21/91
2976	Vinyl chloride	17194	0.001	<0.001	EPA502.2	0.001	6/21/91
2977	1,1-dichloroethene	17194	0.007	<0.001	EPA502.2	0.001	6/21/91
2980	1,2-dichloroethane	17194	0.003	<0.001	EPA502.2	0.001	6/21/91
2981	1,1,1-trichloroethane	17194	0.2	<0.001	EPA502.2	0.001	6/21/91
2982	Carbon tetrachloride	17194	0.003	<0.001	EPA502.2	0.001	6/21/91
2984	Trichloroethene	17194	0.003	<0.001	EPA502.2	0.001	6/21/91
2987	Tetrachloroethene	17194	0.003	<0.001	EPA502.2	0.001	6/21/91
2990	Benzene	17194	0.001	<0.001	EPA502.2	0.001	6/21/91

Comments:

JOHN	Labr	200010
PERMS	LABR	00150
PICHELWIM	LABR	100
SCHEEC	LABR	00010

(1) Name S.S.U. Services	(2) Address % 1000 Color Place	(3) Phone Apopka FL 880-0058
(4) Public Drinking Water ID # 3590497	(5) Public Water System Name: Harmory Homes	
(6) Project #	(8) Public Water System Type ☒ Community ☐ Non-Community ☐ Special Non-Community	

Preservatives		Plastic Containers				Glass Containers				NOTES:				
INCH		60ml	125ml	250ml	500ml	1L	When Recd	140ml	250ml	500ml	1L	2L	4L	(9) Turn Around Time: 10 Working Days: _____ 5 Working Days : _____ 3 Working Days : _____ 1 Working Day : _____ Other : _____
ZnCAACACH														

(10) RNA Relinquished: J. Johnson	(11) Date 6/19/91	(12) Received J. Johnson	(13) Date 6/17/91
9 AM	Time	Time	9:00 AM

SAMPLE INFORMATION: SAMPLE DATE: MONTH _____ DATE _____ YEAR _____
 SAMPLE TYPE (check all applicable): () check, () regular distribution
 () composite, () clearance, () max residence time, ☒ plant tap,
☒ raw, ☒ well, () resample _____, () special _____
 SAMPLER'S NAME: _____ TITLE: Operations PHONE: _____
 SAMPLER'S SIGNATURE: James Johnson
 NOTES:
Pulled 9:00 Am 6/19/91
Testing for VOC Composite Sampling

Parameter Group(s) Analyzed: Turbidity; Inorganic; Polychlorinated; Volatile Organic
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide;
Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable

Laboratory Number: _____

Client Sample Identification

#	
#1	
#2	
#3	
#4	
#5	
#6	
#7	
#8	
#9	
#10	

Collector's Signature: J. Johnson Date: 6/19/91 Time: 7:00 AM

Transporter's Signature: J. Johnson Date: 6/19/91 Time: 7:00 AM

Lab Acceptance By: J. Johnson Date: 6/19/91 Time: 7:00 AM



September 30, 1991

General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re; Seminole County - PW
Chuluota PWS ID #3590186
Lake Harriett PWS ID #3590699
Lake Brantley PWS ID #3590685
Harmony Homes PWS ID #3590497

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis third quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Don Corder
Area Supervisor

DC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
Sam Sparks
File

Seminole County customers include: Citrus Springs, Deltona, Maitland, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaside, Southern Shores, Spring Hill, Winter Springs and Venice Gardens communities.

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Sep20 1991

PO Number: B91052

PO Number Various

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Composite

Date Received:

Sep16 1991

Lab Number : 17811

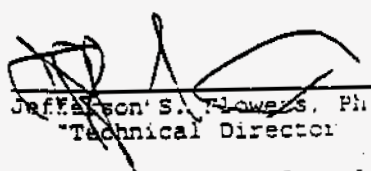
REPORT OF ANALYSIS

Harmony Homes

Parameter	Unit	Method	%ACC	%PRC	17811
		Detection Limit			
Ethylene dibromide	mg/L	0.000005	109	.921	<0.000005
Para-dichlorobenzene	mg/L	0.001	96.5	4.20	<0.001
Vinyl chloride	mg/L	0.001	119	4.56	<0.001
1,1-dichloroethene	mg/L	0.001	119	4.56	<0.001
1,2-dichloroethane	mg/L	0.001	101	6.12	<0.001
1,1,1-trichloroethane	mg/L	0.001	111	5.87	<0.001
Carbon tetrachloride	mg/L	0.001	116	3.44	<0.001
Trichloroethene	mg/L	0.001	103	4.06	<0.001
Tetrachloroethene	mg/L	0.001	106	4.23	<0.001
Benzene	mg/L	0.001	110	.140	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


J. S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALBANY, NY 12212-0597
FLORIDA 32715-0597
BUS 407 250-6984
FAX 407 250-6110

0463

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590 497
Public Water System Name: Harmony Homes
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17811
Sample Location (be specific): A1 Well - Plant Site
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special

Sampler Name, Title Phone: Don Carter - Supervisor - 986-0057

ANALYSIS INFORMATION

Extraction Date: 9/19/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (che) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 9/19/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17811	.00002	<.000005	EPA504.1	.000005	9/19/91
2969	Para-dichlorobenzene	17811	.075	<0.001	EPA502.2	0.001	9/16/91
2976	Vinyl chloride	17811	0.001	<0.001	EPA502.2	0.001	9/16/91
2977	1,1-dichloroethene	17811	0.007	<0.001	EPA502.2	0.001	9/16/91
2980	1,2-dichloroethane	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
2981	1,1,1-trichloroethane	17811	0.2	<0.001	EPA502.2	0.001	9/16/91
2982	Carbon tetrachloride	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
2984	Trichloroethene	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
2987	Tetrachloroethene	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
2990	Benzene	17811	0.001	<0.001	EPA502.2	0.001	9/16/91

Comments:

**CHEMICAL
LABORATORY
12501222A**

FDER	LEAD	ED0016
FDHRS	LEAD	00130
MCCHNHR	LEAD	200
SCCHMC	LEAD	00010

**ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-200**

[illegible]

(18) Laboratory Number

(11) Client Sample Identification

17811

#1 _____
#2 _____
#3 _____
#4 _____
#5 _____
#6 _____
#7 _____
#8 _____
#9 _____
#10 _____

(13) Collectors Signature:

(14) Transmitters Signature:

(15) Lab Acceptance By:

	Date	Time
<u>Donald B. Cooker</u>	<u>9-16-91</u>	
<u>Donald B. Cooker</u>	<u>9-16-91</u>	
<u>Donald B. Cooker</u>	<u>9/16/91</u>	<u>3:48</u>

Over for numbered instructions.



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

December 18, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Seminole County Water Treatment Plants

Dear Ms. Carrasquillo:

Enclosed please find results for Fourth Quarter Volatile Organic Analysis for the following systems:

→ Chuluota	PWS ID # 3590186
→ Harmony Homes	PWS ID # 3590497
Lake Harriett	PWS ID # 3590699
Lake Brantley	PWS ID # 3590685

Please enter this information into your records.

Sincerely,

Donald B. Corder

Donald B. Corder
Area Supervisor

\csd

cc: Charles Sweat
Frank Sanderson
Jim Murray
Mel Fisher

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Dec13 1991

PO Number: B91052

PO Number Seminole

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Dec 5 1991

Lab Number : 18437

REPORT OF ANALYSIS

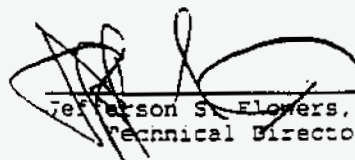
Harmony Homes

18437

Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	92.6	3.40	<0.000005
Para-dichlorobenzene	mg/L	0.001	94.3	.289	<0.001
Vinyl chloride	mg/L	0.001	90.8	1.15	<0.001
1,1-dichloroethene	mg/L	0.001	90.8	1.15	<0.001
1,2-dichloroethane	mg/L	0.001	97.2	3.22	<0.001
1,1,1-trichloroethane	mg/L	0.001	99.0	2.85	<0.001
Carbon tetrachloride	mg/L	0.001	92.9	2.10	<0.001
Trichloroethene	mg/L	0.001	98.2	3.55	<0.001
Tetrachloroethene	mg/L	0.001	84.4	5.99	<0.001
Benzene	mg/L	0.001	92.3	1.04	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 336-5964
FAX (407) 280-6110

0468

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590492

Public Water System Name Harmony Homes

Public Water System Type (check one):

☒ Communit ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number 18437

Sample Location (be specific): Plant - 1-Well

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: Jim Johnson - Operator - 880-0058

ANALYSIS INFORMATION

Extraction Date 1/1

Laboratory Cont Dr. J.S. Flowers

Resample Requested? (che ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name Dr. Jefferson S. Flowers

Title Technical Director

Laboratory Flowers Chemical Laboratories, Inc.

Date 12/12/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18437	.00002	<.000005	EPA504.1	.000005	12/12/91
2969	Para-dichlorobenzene	18437	.075	<0.001	EPA502.2	0.001	12/5/91
2976	Vinyl chloride	18437	0.001	<0.001	EPA502.2	0.001	12/5/91
2977	1,1-dichloroethene	18437	0.007	<0.001	EPA502.2	0.001	12/5/91
2980	1,2-dichloroethane	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2981	1,1,1-trichloroethane	18437	0.2	<0.001	EPA502.2	0.001	12/5/91
2982	Carbon tetrachloride	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2984	Trichloroethene	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2987	Tetrachloroethene	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2990	Benzene	18437	0.001	<0.001	EPA502.2	0.001	12/5/91

Comments:



CHEMICAL
LABORATORIES
INCORPORATED

FOER Lab 83018

FOHR Lab 89128

NOCH-4M Lab 286

SOCH-EC Lab 88019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-850

(1) Client S.S.U. Services		(2) Address % 1000 Cdm. Place 4th Div. Canada		(3) Phone 880-0058 ext-147	
(4) Public Drinking Water ID #		(5) Public Water System Name: Composite see Below			
(6) Project: Semi-LE		(8) Public Water System Type			
(7) PWS B91052		☒ Community () Non-Community () Special Non-Community			

	Preservative		Plastic Containers					Glass Containers					NOTES:		
	INVO	ZnOAC/NaCl	80ml	125ml	250ml	500ml	1L	Whit Pac Bag	40ml	250ml	500ml	1L		2L	4L
(16) 5	15								X						(12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____ *Chuluota (2) Harmony Homes Lk. Harriett Lk. Brantley B91052 <i>Please composite to</i>
(17) Kit Relinquished:		(17) Date 12/5/91		(9) Kit Received		(9) Date		(9) Time							
(10) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable															

(16) Laboratory Number
18437 ✓

(11) Client Sample Identification

#1	
#2	
#3	
#4	
#5	
#6	
#7	
#8	
#9	
#10	

(13) Collector's Signature:

(14) Transporter's Signature:

(15) Lab Acceptance By:

A. E. Howard
J. Johnson

Date
12/5/91

Time
9:00 AM
11:05 AM
11:08

Over for numbered instructions.

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

FOR LAB USE ONLY

REC'D 1 40 PM 31

12/17

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: HARMONY HOMES SYSTEM I.D. NO: 3590497 SYSTEM PHONE #: 880-0058
ADDRESS: c/o 1000 Color Place COUNTY: SEMINOLE DER DISTRICT: CENTRAL
COLLECTOR: JIM JOHNSON COLLECTOR PHONE #: 880-0058
SAMPLE SITE (Locality or Subdivision): 196 Magnolia ALTAMONTE SPRINGS
DATE AND TIME COLLECTED: 9:00 A.M. 12/16/1991
TYPE OF SUPPLY(Circle one): ☒ Community water system ☐ Noncommunity water system ☐ Nontransient - noncommunity water system
☐ Private well ☐ Swimming pool ☐ Bottled water ☐ Other public water system
TYPE OF SAMPLE(Circle one): ☒ Compliance ☐ Repeat ☐ Replacement ☐ Main clearance ☐ Well survey ☐ Other (Specify)
☐ Distribution ☐ Raw ☐ Turbid
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	ANALYSIS METHOD:		CONFIRM TOTAL	CONFIRM FECAL	PA
				MF	MTF			
1	WELL # 1 Raw At Plt.	0.0	6.8	6.8	A			
2	Pressure Tank At Plt.	1.5	7.2	7.2	A			
3	115 FORD DISTRIB.	0.8	—	0.8	A			
4	304 Magnolia Dr. R.T.	0.6	—	0.6	A			

* Results in this column are preliminary. fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNTC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. SERVICES
1000 Color Place
APOA, FL. 32703

() SATISFACTORY
(X) INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES

REVIEWING OFFICIAL: JR

TITLE: DR

Hermits Cove - 438

Putnam County (SSU)

Water

- 1992 FPSC Filing -

Hermits Cove

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	1/89
Organic	1/89
Volatile Organic Chemicals	1/91
	4/91
	7/91
	10/91
Turbidity	3/89
Microbiological	12/91
Radionuclide	3/89
Secondary Contaminants	1/89
Unregulated Contaminants	1/91

SSC SERVICES
Putnam County Office
P. O. Box 458
Pomona Park, FL 32181

TO
FRANK S.
CLARA D.

Date: April 9, 1991

To: Jim Maher

Re: First Quarter 1991 VOC & UC analysis results

Enclosed are copies of VOC & UC analysis results. As discussed in our conversation, we grouped our wells for this procedure. The grouping was as follows:

<u>SAMPLE #</u>	<u>PLANTS INCLUDED IN SAMPLE</u>	<u>ID NUMBERS</u>
# 1	Interlachen Lake Estates Park Manor Silver Lake Oaks	2540545 2540873 2544258
# 2	River Park # 1 River Park # 2 River Park # 3 Wootens	2540962 2540963 2540964 2541280
# 3	→ Pomona Park Hermits Cove Palm Port River Grove	2540905 2540482 2540865 2540959
# 4	Beechers Point Welaka Mobile Home Park Saratoga Harbor St. Johns Highlands	2540070 2541242 2541000 2540489

If you have any questions, please call either Jerry Boyd or Paul Thompson at 904-649-4143.

Copies: Charles Sweat
J.J. Welsh
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

GROUP 3

Received From:

SSU
110 Church St
PompanoPrk, FL 32181

Date Reported: Feb26 1991

PO Number: Putnam Co.

PO Number B91028

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: 3

Date Received:

Jan30 1991

Lab Number : 16155

REPORT OF ANALYSIS

					16155
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	3.80	2.00	<0.00001
Aldicarb sulfoxide	mg/L	0.002	91.0	3.89	<0.002
Aldicarb sulfone	mg/L	0.002	89.5	3.16	<0.002
Metolachlor	mg/L	0.0005	98.1	3.01	<0.0005
Carbofuran	mg/L	0.001	91.0	2.33	<0.001
Aldicarb	mg/L	0.002	105	3.70	<0.002
Atrazine	mg/L	0.002	106	0.78	<0.002
Alachlor (Lasso)	mg/L	0.0002	110	1.00	<0.0002
Heptachlor	mg/L	0.000005	103	.550	<0.000005
Aldrin	mg/L	0.00007	117	1.46	<0.00007
Dieldrin	mg/L	0.00001	94.8	2.09	<0.00001
Dicamba	mg/L	0.00001	2.95	2.00	<0.00001
Chlordane	mg/L	0.00001	117	1.46	<0.00001
Pentachlorophenol	mg/L	0.005	1.42	.500	<0.005
Hexachlorocyclopenta	mg/L	0.001	100	1.94	<0.001
Dioxin	mg/L	0.00001	101	2.47	<0.00001
Isophorone	mg/L	0.001	99	1.41	<0.001
2,4-dinitrotoluene	mg/L	0.001	103	3.53	<0.001
Dimethylphthalate	mg/L	0.001	100	0.34	<0.001
Diethylphthalate	mg/L	0.001	98.6	2.02	<0.001
Di-n-butylphthalate	mg/L	0.001	101	0.79	<0.001
Butyl benzyl phthala	mg/L	0.001	97.7	3.38	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	99.2	1.11	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.7	0.37	<0.001
PCB_1016	mg/L	0.0001	102	3.04	<0.0001
PCB_1221	mg/L	0.0001	98.4	.862	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 11 of 16

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWPORT AVE
P.O. BOX 140 527
ATLANTA, GA 30303
FLORIDA 32715-0527
BUS 407 337 1234
FAX 407 337 1234

0476

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
110 Church St
PompanoPrk, FL 32181

Date Reported: Feb26 1991

PO Number: Putnam Co.

PO Number 891028

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: 3

Date Received:

Jan30 1991

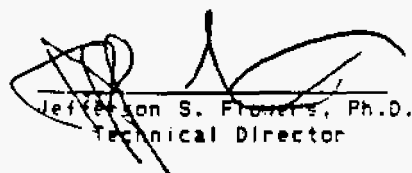
Lab Number : 16155

REPORT OF ANALYSIS

					16155
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Bromoform	mg/L	0.001	115	8.58	<0.001
Bromodichloromethane	mg/L	0.001	102	3.61	<0.001
Dibromochloromethane	mg/L	0.001	109	2.82	<0.001
p-xylene	mg/L	0.001	97.0	2.10	<0.001
Methylene chloride	mg/L	0.001	109	.858	<0.001
o-chlorotoluene	mg/L	0.001	104	1.19	<0.001
p-chlorotoluene	mg/L	0.001	93.4	1.89	<0.001
m-dichlorobenzene	mg/L	0.001	115	.495	<0.001
o-dichlorobenzene	mg/L	0.001	111	.180	<0.001
1,1-dichloroethane	mg/L	0.001	100	1.31	<0.001
trans-1,2-dichloroet	mg/L	0.001	107	0.72	<0.001
1,2-dichloropropane	mg/L	0.001	99.1	.590	<0.001
1,1,2-trichloroethan	mg/L	0.001	114	.841	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	110	1.16	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	120	2.20	<0.001
Chlorobenzene	mg/L	0.001	101	.116	<0.001
Toluene	mg/L	0.001	93.4	1.89	<0.001
Ethylbenzene	mg/L	0.001	92.9	1.29	<0.001
Bromobenzene	mg/L	0.001	101	.116	<0.001
m-xylene	mg/L	0.001	97.0	2.10	<0.001
Styrene	mg/L	0.001	93.4	1.89	<0.001
o-xylene	mg/L	0.001	97.0	2.10	<0.001
Dalapon	mg/L	0.000001	1.07	2.00	<0.000001
Oxamyl (Wydate)	mg/L	0.002	95.8	1.85	<0.002
Simazine	mg/L	0.007	2.63	1.5	<0.007
Picloram	mg/L	0.00007	1.47	1.00	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 16

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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P.O. BOX 151000
ATLANTA, GEORGIA 30315-0000
BUS 404-521-1111
FAX 404-521-1111

0477

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
110 Church St
PanamaPrk, FL 32181

Date Reported: Feb26 1991

PO Number: Putnam Co.

PO Number 891028

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: 3

Date Received:

Jan30 1991

Lab Number : 16155

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16155
Ethylene dibromide	mg/L	.000005	107	.899	<0.000005
Para-dichlorobenzene	mg/L	0.001	106	0.81	<0.001
Vinyl chloride	mg/L	0.001	104	0.70	<0.001
1,1-dichloroethene	mg/L	0.001	104	0.70	<0.001
1,2-dichloroethane	mg/L	0.001	104	2.80	<0.001
1,1,1-trichloroethane	mg/L	0.001	108	3.07	<0.001
Carbon tetrachloride	mg/L	0.001	112	5.08	<0.001
Trichloroethene	mg/L	0.001	115	3.15	<0.001
Tetrachloroethene	mg/L	0.001	113	3.0	<0.001
Benzene	mg/L	0.001	111	2.81	<0.001
Chloromethane	mg/L	0.001	109	.858	<0.001
Dichlorodifluorometh	mg/L	0.001	100	.702	<0.001
Bromomethane	mg/L	0.001	109	.858	<0.001
Chloroethane	mg/L	0.001	104	.542	<0.001
Trichlorofluorometha	mg/L	0.001	100	.702	<0.001
trans-1,3,-dichlorop	mg/L	0.001	107	7.14	<0.001
cis-1,3-dichloroprop	mg/L	0.001	117	1.36	<0.001
Methyl-tert-butyleth	mg/L	0.001	111	6.74	<0.001
cis-1,2-dichloroethe	mg/L	0.001	117	1.36	<0.001
Dibromomethane	mg/L	0.001	109	.858	<0.001
1,1-dichloropropene	mg/L	0.001	106	6.2	<0.001
1,3-dichloropropane	mg/L	0.001	107	7.14	<0.001
1,2,3-trichloropropan	mg/L	0.001	105	5.27	<0.001
2,2-dichloropropane	mg/L	0.001	104	.542	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	105	5.27	<0.001
Chloroform	mg/L	0.001	99.1	1.06	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 3 of 16

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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P.O. BOX 141427
ATLANTA, GA 30314-0427
FLORIDA 37715-0427
BUS 407-115-1784
FAX 407-115-1784

0478

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
110 Church St
PompanoPrk, FL 32181

Date Reported: Feb26 1991

PO Number: Putnam Co.

PD Number 891028

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: 3

Date Received:

Jan30 1991

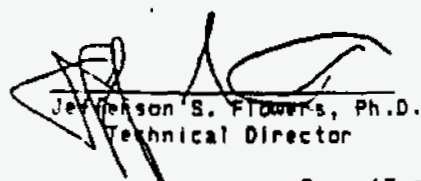
Lab Number : 16155

REPORT OF ANALYSIS

16155					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB_1232	mg/L	0.0001	110	7.32	<0.0001
PCB_1242	mg/L	0.0001	99.1	1.86	<0.0001
PCB_1248	mg/L	0.0001	102	3.04	<0.0001
PCB_1254	mg/L	0.0001	110	7.32	<0.0001
PCB_1260	mg/L	0.0001	102	3.04	<0.0001
Diethylphthalate	mg/L	0.001	98.9	1.55	<0.001
2-chlorophenol	mg/L	0.001	101	2.05	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	106	7.47	<0.001
Phenol	mg/L	0.001	84.1	26.7	<0.001
2,4,6-trichloropheno	mg/L	0.001	93.3	10.1	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 15 of 16

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWPORT RD
P.O. BOX 150 157
ATLANTA, GA 30345
FLORIDA 32715-0592
BUS 1-800-335-1114
DAY 404-240-1114

0479

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 0540482
Public Water System Name: Hermite Cove
Public Water System Type (check one):
☐ () Communi ☐ () Non-community ☐ () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☒; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral-Extractable ☒; Unregulated Acid Extractable ☒;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 18155
Sample Location (be specific):
Sample Type (check all applicable):
☐ () Check ☐ () Regular Distribution ☐ () Composit
☐ () Clearance ☐ () Maximum Residence Time ☐ () Plant Tap
☐ () Raw ☐ () Well ☐ () Resample
☐ () Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 2/13/91
Laboratory Cont: Dr. J.S. Flowers
Resample Requested? (che ☐ () Yes ☒ (X) No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral-Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature:

Name

Jefferson S Flowers

Title

Technical Director

Laboratory

Flowers Chemical Laboratories, Inc.

Date

2/22/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ () Satisfactory ☐ () Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2948	Ethylene dibromide	16155	.00002	<0.000005	EPA504.1	.000005	2/19/91
2969	Para-dichlorobenzene	16155	.075	<0.001	EPA502.2	0.001	2/13/91
2976	Vinyl chloride	16155	0.001	<0.001	EPA502.2	0.001	2/13/91
2977	1,1-dichloroethene	16155	0.007	<0.001	EPA502.2	0.001	2/13/91
2980	1,2-dichloroethane	16155	0.003	<0.001	EPA502.2	0.001	2/13/91
2981	1,1,1-trichloroethane	16155	0.2	<0.001	EPA502.2	0.001	2/13/91
2982	Carbon tetrachloride	16155	0.003	<0.001	EPA502.2	0.001	2/13/91
2984	Trichloroethene	16155	0.003	<0.001	EPA502.2	0.001	2/13/91
2987	Tetrachloroethene	16155	0.003	<0.001	EPA502.2	0.001	2/13/91
2990	Benzene	16155	0.001	<0.001	EPA502.2	0.001	2/13/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16155		<0.001	EPA502.2	0.001	2/13/91
2212	Dichlorodifluoromethane	16155		<0.001	EPA502.2	0.001	2/13/91
2214	Bromomethane	16155		<0.001	EPA502.2	0.001	2/13/91
2216	Chloroethane	16155		<0.001	EPA502.2	0.001	2/13/91
2218	Trichlorofluoromethane	16155		<0.001	EPA502.2	0.001	2/13/91
2224	trans-1,3-dichloropropene	16155		<0.001	EPA502.2	0.001	2/13/91
2228	cis-1,3-dichloropropene	16155		<0.001	EPA502.2	0.001	2/13/91
2251	Methyl-tert-butylether	16155		<0.001	EPA502.2	0.001	2/13/91
2380	cis-1,2-dichloroethene	16155		<0.001	EPA502.2	0.001	2/13/91
2408	Dibromomethane	16155		<0.001	EPA502.2	0.001	2/13/91
2410	1,1-dichloropropene	16155		<0.001	EPA502.2	0.001	2/13/91
2412	1,3-dichloropropane	16155		<0.001	EPA502.2	0.001	2/13/91
2414	1,2,3-trichloropropane	16155		<0.001	EPA502.2	0.001	2/13/91
2416	2,2-dichloropropane	16155		<0.001	EPA502.2	0.001	2/13/91
2931	1,2-dibromo-3-chloropropane	16155		<0.001	EPA502.2	0.001	2/13/91
2941	Chloroform	16155		<0.001	EPA502.2	0.001	2/13/91
2942	Bromoform	16155		<0.001	EPA502.2	0.001	2/13/91
2943	Bromodichloromethane	16155		<0.001	EPA502.2	0.001	2/13/91
2944	Dibromochloromethane	16155		<0.001	EPA502.2	0.001	2/13/91
2982	p-xylene	16155		<0.001	EPA502.2	0.001	2/13/91
2964	Methylene chloride	16155		<0.001	EPA502.2	0.001	2/13/91
2985	o-chlorotoluene	16155		<0.001	EPA502.2	0.001	2/13/91
2986	p-chlorotoluene	16155		<0.001	EPA502.2	0.001	2/13/91
2967	m-dichlorobenzene	16155		<0.001	EPA502.2	0.001	2/13/91
2968	o-dichlorobenzene	16155		<0.001	EPA502.2	0.001	2/13/91
2978	1,1-dichloroethane	16155		<0.001	EPA502.2	0.001	2/13/91
2979	trans-1,2-dichloroethyl	16155		<0.001	EPA502.2	0.001	2/13/91
2983	1,2-dichloropropane	16155		<0.001	EPA502.2	0.001	2/13/91
2985	1,1,2-trichloroethane	16155		<0.001	EPA502.2	0.001	2/13/91
2986	1,1,1,2-tetrachloroethane	16155		<0.001	EPA502.2	0.001	2/13/91
2988	1,1,2,2-tetrachloroethane	16155		<0.001	EPA502.2	0.001	2/13/91
2989	Chlorobenzene	16155		<0.001	EPA502.2	0.001	2/13/91

2991	Toluene	16155	<0.001	EPA502.2	0.001	2/13/91
2992	Ethylbenzene	16155	<0.001	EPA502.2	0.001	2/13/91
2993	Bromobenzene	16155	<0.001	EPA502.2	0.001	2/13/91
2995	m-xylene	16155	<0.001	EPA502.2	0.001	2/13/91
2996	Styrene	16155	<0.001	EPA502.2	0.001	2/13/91
2997	o-xylene	16155	<0.001	EPA502.2	0.001	2/13/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16155		<0.000001	EPA515	0.000001	2/21/91
2036	Oxamyl (Vydate)	16155		<0.002	EPA531	0.002	2/18/91
2037	Simazine	16155		<0.007	EPA505	0.007	2/21/91
2040	Picloram	16155		<0.00007	EPA515	0.00007	2/21/91
2041	Dinoseb	16155		<0.00001	EPA515	0.00001	2/21/91
2043	Aldicarb sulfoxide	16155		<0.002	EPA531	0.002	2/18/91
2044	Aldicarb sulfone	16155		<0.002	EPA531	0.002	2/18/91
2045	Metolachlor	16155		<0.0005	EPA505	0.0005	2/21/91
2046	Carbofuran	16155		<0.001	EPA531	0.001	2/18/91
2047	Aldicarb	16155		<0.002	EPA531	0.002	2/18/91
2050	Atrazine	16155		<0.002	EPA505	0.002	2/21/91
2051	Alachlor (Lasso)	16155		<0.0002	EPA505	0.0002	2/21/91
2065	Heptachlor	16155		<0.000005	EPA508	0.000005	2/21/91
2356	Aldrin	16155		<0.00007	EPA508	0.00007	2/21/91
2364	Dieldrin	16155		<0.00001	EPA508	0.00001	2/21/91
2440	Dicamba	16155		<0.00001	EPA515	0.00001	2/21/91
2959	Chlordane	16155		<0.00001	EPA508	0.00001	2/21/91
9114	Pentachlorophenol	16155		<0.005	EPA515	0.005	2/14/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16155		<0.001	EPA508	0.001	2/21/91
2063	Dioxin	16155		<0.00001	EPA813	0.00001	2/21/91
2262	Isophorone	16155		<0.001	EPA609	0.001	2/14/91
2270	2,4-dinitrotoluene	16155		<0.001	EPA609	0.001	2/14/91
2282	Dimethylphthalate	16155		<0.001	EPA608	0.001	2/14/91
2284	Diethylphthalate	16155		<0.001	EPA608	0.001	2/14/91
2290	Di-n-butylphthalate	16155		<0.001	EPA608	0.001	2/14/91
2294	Butyl benzyl phthalate	16155		<0.001	EPA608	0.001	2/14/91
2298	Bis(2-ethylhexyl)phthalate	16155		<0.001	EPA608	0.001	2/14/91
2378	1,2,4-trichlorobenzene	16155		<0.001	EPA812	0.001	2/14/91
2388	PCB-1018	16155		<0.0001	EPA505	0.0001	2/21/91
2390	PCB-1221	16155		<0.0001	EPA505	0.0001	2/21/91
2392	PCB-1232	16155		<0.0001	EPA505	0.0001	2/21/91
2394	PCB-1242	16155		<0.0001	EPA505	0.0001	2/21/91
2396	PCB-1248	16155		<0.0001	EPA505	0.0001	2/21/91
2398	PCB-1254	16155		<0.0001	EPA505	0.0001	2/21/91

2400	PCB-1280	16155	<0.0001	EPA505	0.0001	2/21/91
9089	Diethylphthalate	16155	<0.001	EPA808	0.001	2/14/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16155		<0.001	EPA804	0.001	2/14/91
9112	2-methyl-4,6-dinitrophenol	16155		<0.001	EPA804	0.001	2/14/91
9115	Phenol	16155		<0.001	EPA804	0.001	2/14/91
9116	2,4,6-trichlorophenol	16155		<0.001	EPA804	0.001	2/14/91

Comments:

Mr. Jim Meyer, 1431

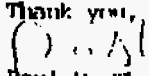
RE: 2nd Quarter 1991 VUC, analysis results.

Dear Mr. Meyer,

Enclosed are copies of our 2nd Quarter 1991 VUC analysis results. As discussed in our earlier conversation with you, we grouped our wells for this procedure. The grouping was as follows:

<u>WELL #</u>	<u>PLANTS INCLUDED IN SAMPLE</u>	<u>ID. #</u>
#1	Interlachen Lakes Estates #470	2540545
	Park Manor #444	2540873
	Silver Lake Oaks #473	2544258
#2	River Park #1 #439 ¹	2540962
	River Park #2 #439 ²	2540963
	River Park #3 #439 ³	2540964
	Wootton #446	2541280
<u>#3</u>	Dunham Park #443	2540905
	Hermit's Cove #438	2540482
	Palm Park #440	2540865
	River Grove #442	2540959
#4	Deechers Point #472	2540070
	Welaka Mobile Home Park #447	2541242
	Saratoga Harbor #448	2541008
	St. Johns Highlands #471	2540489

If you have any questions, please call either Jerry Boyd or myself at (904)649-4141.

Thank you,

Paul D. Thompson
Lead Operator, Putnam County
SWF Services

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
PO Box 458
Pomona Park, FL 32181

Date Reported: Apr 29 1991

PO Number: PC1028

PO Number SSU Comm.

FDHRS Lab# : 83139

FDER Lab# : E83013

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: 3

Date Received:

April 17 1991

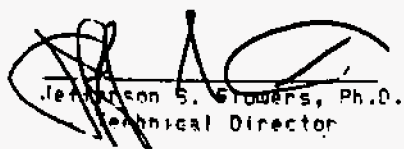
Lab Number : 16691

REPORT OF ANALYSIS

16691					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	98.6	7.34	<0.000005
Para-dichlorobenzene	mg/L	0.001	105	5.74	<0.001
Vinyl chloride	mg/L	0.001	100	3.53	<0.001
1,1-dichloroethene	mg/L	0.001	100	3.53	<0.001
1,2-dichloroethane	mg/L	0.001	107	5.79	<0.001
1,1,1-trichloroethane	mg/L	0.001	102	3.96	<0.001
Carbon tetrachloride	mg/L	0.001	103	1.43	<0.001
Trichloroethene	mg/L	0.001	102	8.39	<0.001
Tetrachloroethene	mg/L	0.001	95.4	3.99	<0.001
Benzene	mg/L	0.001	103	2.23	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 3 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONT SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

0485

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____

Public Water System Name HERMIT'S COVE

Public Water System Type (check one):

☐ Communit ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity____; Inorganic____; Trihalomethane____;

Volatile Organic____; Organic Chemical____; Secondary Chemical____; Radiological____;

Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;

Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;

Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____

Laboratory Sample Number 16691

Sample Location (be specific): _____

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composit

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date ____/____/____

Laboratory Cont Dr. J.S. Flowers

Resample Requested? (che ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity____; Inorganic____; Trihalomethane____;

Volatile Organic____; Organic Chemical____; Secondary Chemical____; Radiological____;

Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;

Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name

Dr. Jefferson S. Flowers

Title

Technical Director

Laboratory

Flowers Chemical Laboratories, Inc.

Date

4/27/91

Mail Results to the

Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01

Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16691	.00002	<.000005	EPA504.1	.000005	4/26/91
2969	Para-dichlorobenzene	16691	.075	<0.001	EPA502.2	0.001	4/25/91
2976	Vinyl chloride	16691	0.001	<0.001	EPA502.2	0.001	4/25/91
2977	1,1-dichloroethene	16691	0.007	<0.001	EPA502.2	0.001	4/25/91
2980	1,2-dichloroethane	16691	0.003	<0.001	EPA502.2	0.001	4/25/91
2981	1,1,1-trichloroethane	16691	0.2	<0.001	EPA502.2	0.001	4/25/91
2982	Carbon tetrachloride	16691	0.003	<0.001	EPA502.2	0.001	4/25/91
2984	Trichloroethene	16691	0.003	<0.001	EPA502.2	0.001	4/25/91
2987	Tetrachloroethene	16691	0.003	<0.001	EPA502.2	0.001	4/25/91
2990	Benzene	16691	0.001	<0.001	EPA502.2	0.001	4/25/91

Comments:



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
P.O. Box 458
Pamona Park, FL 32181

Attn: Paul Thompson

Work Order #: 91-07-476
Date Received: 07/31/91
Date Reported: 08/01/91
OLI Contact: L_BALTZLEY

Work ID: Southern States Utilities
Samples collected by: Client
Total Samples: 2

SAMPLE IDENTIFICATION

01 Composite #1
02 Method Blank

TEST CODES and NAMES used on this report

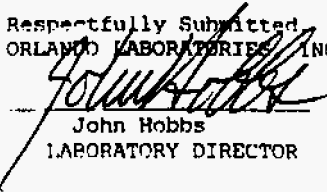
1COMP Composite Data For Samples
PWS028 Volatile Organic Analysis

Copy of report to:

Jerry Boyd
P.O. Box 458
Pamona Park, FL 32181

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141. Environmental Certification Number E84033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-076

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Composite Data For Samples

SAMPLE# 016
MATRIX WATER
TEST CODE LEUMF

NUMBER OF SAMPLES COMPOSITED:

	Sample Identification	Date and time
#1	Panama Park	07/30/91
#2	Hermits Cove	07/30/91
#3	Palm Port	07/30/91
#4	River Grove	07/30/91
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91 07 076

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PMS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PMS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	_____	_____	<0.00002	EPA 504	0.00002	08/01/91
2969 Para-dichlorobenzene	_____	_____	<0.0005	EPA 524	0.0005	07/31/91
2976 Vinyl Chloride	_____	_____	<0.0005	EPA 524	0.0005	07/31/91
2977 1,1-Dichloroethene	_____	_____	<0.0005	EPA 524	0.0005	07/31/91
2980 1,2-Dichloroethane	_____	_____	<0.0005	EPA 524	0.0005	07/31/91
2981 1,1,1-trichloroethane	_____	_____	<0.0005	EPA 524	0.0005	07/31/91
2982 Carbon Tetrachloride	_____	_____	<0.0005	EPA 524	0.0005	07/31/91
2984 Trichloroethene	_____	_____	<0.0005	EPA 524	0.0005	07/31/91
2987 Tetrachloroethene	_____	_____	<0.0005	EPA 524	0.0005	07/31/91
2990 Benzene	_____	_____	<0.0005	EPA 524	0.0005	07/31/91

Comments:

INPLAND LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07 176

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# Q2A
MATRIX METHOD BLAN
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			<0.00002	EPA 504	0.00002	08/01/91
2969 Para-dichlorobenzene			<0.0005	EPA 524	0.0005	07/31/91
2976 Vinyl Chloride			<0.0005	EPA 524	0.0005	07/31/91
2977 1,1-Dichloroethene			<0.0005	EPA 524	0.0005	07/31/91
2980 1,2-Dichloroethane			<0.0005	EPA 524	0.0005	07/31/91
2981 1,1,1-trichloroethane			<0.0005	EPA 524	0.0005	07/31/91
2982 Carbon Tetrachloride			<0.0005	EPA 524	0.0005	07/31/91
2984 Trichloroethane			<0.0005	EPA 524	0.0005	07/31/91
2987 Tetrachloroethane			<0.0005	EPA 524	0.0005	07/31/91
2990 Benzene			<0.0005	EPA 524	0.0005	07/31/91

Comments:

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

Page No: 5

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 08-01-1991

LAB SAMPLE # : 9107484-2 524
ANALYSIS DATE : 7/31/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	RSD RESULT	RSD RECOVERY	RSD
1,1-dichloroethane	50	0	35	70	39	78	11
trichloroethane	50	0	53	106	51	102	4
benzene	50	0	50	100	48	96	4
toluene	50	0	49	98	49	98	0
chlorobenzene	50	0	47	94	47	94	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethane	64	137	19	50	142	22
trichloroethane	76	124	24	70	128	25
benzene	77	113	25	64	134	26
toluene	65	125	20	69	132	24
chlorobenzene	71	123	24	72	124	20

ORLANDO LABORATORIES, INC.

Page No: 6

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 08-05-1991

LAB SAMPLE # : 9107-147-01A
ANALYSIS DATE : 08/01/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
Ethylene Dibromide	100	0	54	54	47	47 *	14
Dibromochloropropane	100	0	67	67	59	59 *	13

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
Ethylene Dibromide	50	100	30	35	100	30
Dibromochloropropane	65	110	30	60	110	30

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____

Public Water System Name: HERMIT'S COVE

Public Water System Type (check one):

☐ Community☐ Non-Community☐ Special Non-Community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141Parameter Group(s) Analyzed: Volatile Organic AnalysisSubcontract Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MDDYY): 07/30/91Laboratory Sample Number: 91-07-476-01A

Sample Location: _____

Sample Type (check all applicable):

☐ Check☐ Regular Distribution☐ Composite☐ Clearance☐ Maximum Residue Time☐ Plant Tap☐ Raw☐ Well☐ Re-sample☐ Special

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MDDYY): 08/01/91 (504)Laboratory Contact: Eric MalarekRe-sample Requested? (check one): ☐ Yes ☐ No

ANALYSES SUBMITTED: Turbidity____; Inorganic____; Trihalomethane____;

Volatile Organic____; Organic Chemical____; Secondary Chemical____;

Radiological____; Unregulated Organic Purgeable____; Unregulated

Organic Pesticides____; Unregulated Base Neutral Extractable____;

Unregulated Acid Extractable____; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature _____

Mail Results to the
Appropriate DER or
ACPHU Office:Name Eric MalarekTitle Quality Control OfficerLaboratory Orlando Laboratories, Inc.

Date _____

DER/ACPHU Reviewing Official

Sample Interpretation (check one)

☐ Satisfactory☐ Unsatisfactory



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 3 of 5

INVOICE TO: (COMPANY AND INDIVIDUAL)		ADDRESS (CITY, STATE, ZIP)		CONTACT PERSON/PHONE # INVOICE		OLI WORK ORDER # (LAB USE)	
SSU SERVICES		1000 COLOR PLACE APOKA, FL		31		9107476	
ORIGINAL REPORT TO: (COMPANY AND INDIVIDUAL)		ADDRESS (CITY, STATE, ZIP)		CONTACT PERSON/PHONE # REPORT		FB NUMBER (LAB USE)	
SSU SERVICES		PO BOX 458 POMONA ARK, FL 32181		4		PAUL THOMPSON	
(OPTIONAL) ADDITIONAL REPORTS SENT TO:		ADDRESS (CITY, STATE, ZIP)		7		17	
CLIENT PROJECT NAME		B		CLIENT PROJECT #		9	
SAMPLE IDENTIFICATION		10		DATE/TIME		11	
COMP		12		GAS		13	
WATER		14		BOX		15	
OTHER		16		SAMPLE DESCRIPTION		17	
8		9		10		11	
12		13		14		15	
16		17		18		19	
20		21		22		23	
24		25		26		27	
28		29		30		31	
32		33		34		35	
36		37		38		39	
40		41		42		43	
44		45		46		47	
48		49		50		51	
52		53		54		55	
56		57		58		59	
60		61		62		63	
64		65		66		67	
68		69		70		71	
72		73		74		75	
76		77		78		79	
80		81		82		83	
84		85		86		87	
88		89		90		91	
92		93		94		95	
96		97		98		99	
100		101		102		103	
104		105		106		107	
108		109		110		111	
112		113		114		115	
116		117		118		119	
120		121		122		123	
124		125		126		127	
128		129		130		131	
132		133		134		135	
136		137		138		139	
140		141		142		143	
144		145		146		147	
148		149		150		151	
152		153		154		155	
156		157		158		159	
160		161		162		163	
164		165		166		167	
168		169		170		171	
172		173		174		175	
176		177		178		179	
180		181		182		183	
184		185		186		187	
188		189		190		191	
192		193		194		195	
196		197		198		199	
200		201		202		203	
204		205		206		207	
208		209		210		211	
212		213		214		215	
216		217		218		219	
220		221		222		223	
224		225		226		227	
228		229		230		231	
232		233		234		235	
236		237		238		239	
240		241		242		243	
244		245		246		247	
248		249		250		251	
252		253		254		255	
256		257		258		259	
260		261		262		263	
264		265		266		267	

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0495



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
P.O. Box 458
Pamona Park, FL 32181

Attn: Paul Thompson

Work Order # : 91-10-433
Date Received: 10/30/91
Date Reported: 11/13/91
OLI Contact: J_BEATO

Work ID: SSU Services
Samples collected by: Client
Total Samples: 2

SAMPLE IDENTIFICATION
01 Composite #1
02 Method Blank

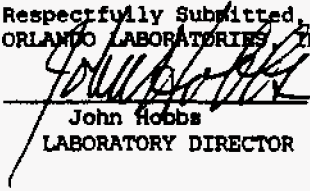
TEST CODES and NAMES used on this report
1COMP Composite Data For Samples
PWS028 Volatile Organic Analysis

Copy of invoice to:

Jerry Boyd
Southern States Utilities
P.O. Box 458
Pamona Park, FL 32181

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 896-6644

DEMAND LABORATORIES, INC.
Received: 10/30/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 01 10 100

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Composite Data For Samples

SAMPLE# 010
MATRIX WATER
TEST CODE JUMP

NUMBER OF SAMPLES COMPOSITED:

	Sample Identification	Date and time
#1	PANUNA PARK (1 & 2)	10/30/91 13:15
#2	HERMITS COVE (3)	10/30/91 10:40
#3	PALM PORT (4)	10/30/91 09:10
#4	RIVER GROVE (5)	10/30/91 10:10
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		

ORLANDO LABORATORIES, INC.
Received: 10/30/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91 10 133

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE FW0028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibronide	_____	_____	<0.00002	EPA 504	0.00002	11-05/91
2969 Para-dichlorobenzene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2976 Vinyl Chloride	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2977 1,1-Dichloroethene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2980 1,2-Dichloroethane	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2981 1,1,1-trichloroethane	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2982 Carbon Tetrachloride	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2984 Trichloroethene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2987 Tetrachloroethene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2990 Benzene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 10/30/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-124

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE # 000
MATRIX MECHANICAL
TEST CODE FW028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(ng/l)	Analytical Method	Det. L.L. Used	Analysis Date
2946 Ethylene dibromide	_____	_____	<0.00002	EPA 504	0.00002	11-05/91
2969 Para-dichlorobenzene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2976 Vinyl Chloride	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2977 1,1-Dichloroethene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2980 1,2-Dichloroethane	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2981 1,1,1-trichloroethane	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2982 Carbon Tetrachloride	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2984 Trichloroethene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2987 Tetrachloroethene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91
2990 Benzene	_____	_____	<0.0005	EPA 524	0.0005	11-01/91

Comments:

ORLANDO LABORATORIES, INC.

Page No: 5

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 11-11-1991

LAB SAMPLE # : 9110433-01A
ANALYSIS DATE : 11/05/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	RSD RESULT	RSD % RECOVERY	RPD
Ethylene Dibromide	100	8	72	72	69	69	4
Dibromochloropropane	100	8	77	77	78	78	1

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
Ethylene Dibromide	50	110	30	35	100	30
Dibromochloropropane	65	110	30	60	110	30

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 11-05-1991

LAB SAMPLE # : 9110445-3
ANALYSIS DATE : 11/1/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS 1 RECOVERY	RSD RESULT	RSD1 RECOVERY	RPD
1,1-dichloroethene	50	0	58	116	53	106	9
trichloroethene	50	0	53	106	52	104	2
benzene	50	0	59	118	55	110	7
toluene	50	0	50	100	48	96	4
chlorobenzene	50	0	51	102	50	100	2

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	64	137	19	50	142	22
trichloroethene	76	124	24	70	128	25
benzene	77	113	25	64	134	26
toluene	65	125	20	69	132	24
chlorobenzene	71	123	24	72	124	20

*Note: Parameter outside QC limits due to matrix interference.

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2540482
Public Water System Name: Hermits Cove
Public Water System Type (check one):
(X) Community () Non-Community () Special Non-Community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Volatile Organic Analysis

Subcontract Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 10/30/91
Laboratory Sample Number: 91-10-433
Sample Location: Well
Sample Type (check all applicable):

☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residue Time ☐ Plant Tap
☐ Raw ☒ Well ☐ Re-sample
☐ Special _____

Sampler Name, Title, Phone: _____
 Paul D. Thompson
 Lead Operator, Putnam County SSU Services
 904-649-4143

ANALYSIS INFORMATION

Extraction Date (MMDDYY), 10/31/91 (504)
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity____; Inorganic____; Trihalomethane____;
Volatile Organic____; Organic Chemical____; Secondary Chemical____;
Radiological____; Unregulated Organic Purgeable____; Unregulated
Organic Pesticides____; Unregulated Base Neutral Extractable____;
Unregulated Acid Extractable____; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature Eric Holcomb

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date 11/13/91

Mail Results to the
Appropriate DER or
ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ORLANDO LABORATORIES, INC.
P.O. Box 149107, Orlando, FL 32814
407 896-6645 FAX 407 896-6568

CHAIN-OF-CUSTODY RECORD

INSTRUCTIONS ON BACK

Page 1

1. COMPANY NAME, ADDRESS, CITY, STATE, ZIP SSU SERVICES P.O. BOX 458 POMPONA PARK FL 32181										2. CLIENT NAME, ADDRESS, CITY, STATE, ZIP PAUL D. THOMPSON 5587									
3. ORIGINAL REPORT TO COMPANY AND INDIVIDUAL SAME										4. NUMBER LAB USE									
5. OPTIONAL ADDITIONAL REPORTS SENT TO										6. ADDRESS (CITY, STATE, ZIP)									
7. CLIENT PROJECT NAME										8. CLIENT PROJECT NO. L114422									
9. SAMPLE IDENTIFICATION										10. DATE/TIME									
11. COMP										12. SAMPLE DESCRIPTION									
13. NUMBER OF CONTAINERS										14. REQUESTED ANALYSIS									
15. REMARKS										16. REQUESTED ANALYSIS									
17. 1-2 POMPONA PARK 1:15 10/20/91 1/1 WELL 8 1										18. 3 HERMIT'S COVE 10:40 12/20/91 1/1 WELL 4 1									
19. 4 PALM PORT 9:10 12/20/91 1/1 WELL 4 1										20. 5 RIVER GROVE 10:10 12/20/91 1/1 WELL 4 1									
21. TRANSFER NUMBER										22. RELINQUISHED BY									
23. DATE/TIME										24. ACCEPTED BY									
25. ADDITIONAL REMARKS										26. COOLER #									
27. 1st										28. 2nd									
29. 3rd										30. SAMPLER'S SIGNATURE									

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0503

Serving Florida Since 1960

Plant # 438

Southern States

Utilities, Inc.

1000 COLOR PLACE
APOPKA, FLORIDA 32703

TELEPHONE 407-880-0100
TOLL FREE 1-800-432-4501

February 20, 1989

Ms. Vickie Stanford
State of Florida
Department of Environmental Regulation
3426 Bills Road
Jacksonville, Florida 32207

Re: Hermits Cove Water System, Putnam County - Water Quality Analysis
Pri - Sec - SOC's, VOC's, Gross Alpha.

Dear Ms. Stanford:

Enclosed you will find results for the Hermits Cove water system. In review of the results, we noticed several parameters that were above maximum contaminant level.

We have requested kits from the Orlando Laboratory for resampling as per 17-550.

Resampling of:
Gross Alpha (Radium 226)
Turbidity (3)
Corrosivity (1)

Results will be forwarded as soon as possible. Thank you for your cooperation.

Sincerely,

SOUTHERN STATES UTILITIES, INC.

Aaron Perlowich
Aaron Perlowich
General Manager

AP/at

cc: Charles Sweat
Bill Becker
File

0504

ORLANDO LABORATORIES, INC.

Plant # 438

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

REPORT OF ANALYSIS

Southern States Utilities
Attn: Aaron Perlowich
1000 Color Place
Apopka, Florida 32703

Report #: 2083 (89-01-303)
Sample submitted by: Client(J. Boyd) •
Date sampled: 01-30-89 @ 1330 hours •
Date received: 01-31-89
Date reported: 02-10-89

Page 1 of 9

PURPOSE: To analyze the sample for listed parameters
AUTHORIZATION: Chain of Custody Form received from client 01-31-89
SAMPLE IDENTIFICATION: Water sample submitted and identified by client as:
Hermit's Cove - Distribution, Well & Entry Point to Distribution.
PROCEDURE: EPA METHOD 624

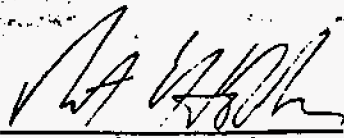
RESULTS, ug/l

<u>PURGEABLE ORGANICS BY GC/MS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Benzene	ND(1)	ND(1)
Bromodichloromethane	8	ND(1)
Bromoform	61	ND(1)
Bromomethane	ND(2)	ND(2)
Carbon Tetrachloride	ND(1)	ND(1)
Chlorobenzene	ND(1)	ND(1)
Chloroethane	ND(2)	ND(2)
2-Chloroethylvinyl ether	ND(1)	ND(1)
Chloroform	2	ND(1)
Chloromethane	ND(2)	ND(2)
Dibromochloromethane	38	ND(1)
1,1-Dichloroethane	ND(1)	ND(1)
1,2-Dichloroethane	ND(1)	ND(1)
1,1-Dichloroethene	ND(1)	ND(1)
1,2-Dichloroethene (Total)	ND(1)	ND(1)
1,2-Dichloropropane	ND(1)	ND(1)
cis-1,3-Dichloropropene	ND(1)	ND(1)
trans-1,3-Dichloropropene	ND(1)	ND(1)
Ethylbenzene	ND(1)	ND(1)
Methylene Chloride	ND(1)	2

* Sampling information based on data received by client
ND = Not detected to the levels in parentheses.
< = Less Than

Respectfully submitted,
ORLANDO LABORATORIES, INC.


Laboratory Manager


Quality Control

OLI Florida Department of Health & Rehabilitative Service Identification Number
is 83141.

The Analytical Specialists

Southern States Utilities
Attn: Aaron Perlowich

Report #: 2083 (89-01-303)
Page 2 of 9

PROCEDURE: EPA METHOD 624

RESULTS, ug/l

<u>PURGEABLE ORGANICS BY GC/MS - Cont.</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
1,1,2,2-Tetrachloroethane	ND(1)	ND(1)
Tetrachloroethene	ND(1)	ND(1)
Toluene	ND(1)	ND(1)
1,1,1-Trichloroethane	ND(1)	ND(1)
1,1,2-Trichloroethane	ND(1)	ND(1)
Trichloroethene	ND(1)	ND(1)
Trichlorofluoromethane	ND(1)	ND(1)
Vinyl Chloride	ND(2)	ND(2)
Dichlorodifluoromethane	ND(1)	ND(1)
1,2-Dichlorobenzene	ND(1)	ND(1)
1,3-Dichlorobenzene	ND(1)	ND(1)
1,4-Dichlorobenzene	ND(1)	ND(1)
Acrolein	ND(100)	ND(100)
Acrylonitrile	ND(100)	ND(100)
n-Hexane	ND(10)	ND(10)
2,2-Dichloropropane	ND(1)	ND(1)
1,1,1,2-Tetrachloroethane	ND(1)	ND(1)
1,2,3-Trichloropropane	ND(1)	ND(1)
Styrene	ND(1)	ND(1)
meta - Xylene	ND(1)	ND(1)
ortho, para - Xylenes	ND(1)	ND(1)
Dibromomethane	ND(1)	ND(1)
1,1-Dichloropropene	ND(1)	ND(1)
1,3-Dichloropropene	ND(1)	ND(1)
Bromobenzene	ND(1)	ND(1)
1,2-Dibromo-3-chloropropane	ND(1)	ND(1)

RESULTS, ug/l

PROCEDURE: EPA METHOD 625

<u>ACID EXTRACTABLE ORGANICS BY GC/MS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
4-Chloro-3-methyl phenol	ND(10)	ND(10)
2-Chlorophenol	ND(10)	ND(10)
2,4-Dichlorophenol	ND(10)	ND(10)
2,4-Dimethylphenol	ND(10)	ND(10)
2,4-Dinitrophenol	ND(50)	ND(50)
2-Methyl-4,6-dinitrophenol	ND(50)	ND(50)
2-Nitrophenol	ND(10)	ND(10)
4-Nitrophenol	ND(50)	ND(50)
Pentachlorophenol	ND(50)	ND(50)
Phenol	ND(10)	ND(10)
2,4,6-Trichlorophenol	ND(10)	ND(10)

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Southern States Utilities
Attn: Aaron Perlowich

Report #: 2083 (89-01-303) #1573
Page 3 of 9

RESULTS, ug/l

PROCEDURE: EPA METHOD 625

<u>BASE/NEUTRAL EXTRACTABLES BY GC/MS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Acenaphthene	ND(10)	ND(10)
Acenaphthylene	ND(10)	ND(10)
Anthracene	ND(10)	ND(10)
Benzidine	ND(50)	ND(50)
Benzo(a)anthracene	ND(10)	ND(10)
Benzo(b)fluoranthene	ND(10)	ND(10)
Benzo(k)fluoranthene	ND(10)	ND(10)
Benzo(a)pyrene	ND(10)	ND(10)
Benzo(g,h,i)perylene	ND(10)	ND(10)
Benzyl-butyl phthalate	ND(10)	ND(10)
bis(2-Chloroethyl)ether	ND(10)	ND(10)
bis(2-Chloroethoxy)methane	ND(10)	ND(10)
bis(2-Ethylhexyl)phthalate	ND(10)	ND(10)
bis(2-Chloroisopropyl)ether	ND(10)	ND(10)
4-Bromophenyl phenyl ether	ND(10)	ND(10)
2-Chloronaphthalene	ND(10)	ND(10)
o-Chlorotoluene	ND(10)	ND(10)
p-Chlorotoluene	ND(10)	ND(10)
4-Chlorophenyl phenyl ether	ND(10)	ND(10)
Chrysene	ND(10)	ND(10)
Dibenzo(a,h)anthracene	ND(10)	ND(10)
Di-n-butyl-phthalate	ND(10)	22
1,2-Dichlorobenzene	ND(10)	ND(10)
1,3-Dichlorobenzene	ND(10)	ND(10)
1,4-Dichlorobenzene	ND(10)	ND(10)
3,3-Dichlorobenzidine	ND(20)	ND(20)
Diethyl phthalate	ND(10)	ND(10)
Dimethyl phthalate	ND(10)	ND(10)
2,4-Dinitrotoluene	ND(10)	ND(10)
2,6-Dinitrotoluene	ND(10)	ND(10)
Di-n-octyl-phthalate	ND(10)	ND(10)
1,2-Diphenylhydrazine	ND(10)	ND(10)
Fluoranthene	ND(10)	ND(10)
Fluorene	ND(10)	ND(10)
Hexachlorobenzene	ND(10)	ND(10)
Hexachlorobutadiene	ND(10)	ND(10)
Hexachlorocyclopentadiene	ND(10)	ND(10)
Hexachloroethane	ND(10)	ND(10)

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Southern States Utilities
Attn: Aaron Perlowich

Report #: 2083 (89-01-303) *7654
Page: 4 of 9

PROCEDURE: EPA METHOD 625

RESULTS, ug/l

<u>BASE/NEUTRAL EXTRACTABLES BY GC/MS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Ideno(1,2,3-c,d)pyrene	ND(10)	ND(10)
Isophorone	ND(10)	ND(10)
Naphthalene	ND(10)	ND(10)
Nitrobenzene	ND(10)	ND(10)
n-Nitrosodimethylamine	ND(10)	ND(10)
n-Nitrosodi-n-propylamine	ND(10)	ND(10)
n-Nitrosodiphenylamine	ND(10)	ND(10)
Phenanthrene	ND(10)	ND(10)
Pyrene	ND(10)	ND(10)
2,3,7,8-Tetrachlorodi- benzo-p-dioxin (dioxin)	ND(1000)	ND(1000)
1,2,4-Trichlorobenzene	ND(10)	ND(10)
2-methyl naphthalene	ND(10)	ND(10)

PROCEDURE: EPA METHOD 608

PRIMARY

RESULTS, ug/l

<u>ORGANOCHLORINE PESTICIDES</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Alpha-BHC	ND(1)	ND(1)
Beta-BHC	ND(1)	ND(1)
Delta-BHC	ND(1)	ND(1)
Gamma-BHC	ND(1)	ND(1)
Heptachlor	ND(1)	ND(1)
Aldrin	ND(1)	ND(1)
Heptachlor epoxide	ND(1)	ND(1)
Endosulfan I	ND(1)	ND(1)
Dieldrin	ND(1)	ND(1)
4,4'-DDE	ND(1)	ND(1)
O,p-DDE	ND(1)	ND(1)
Endosulfan II	ND(1)	ND(1)
4,4'-DDD	ND(1)	ND(1)
O,p-DDD	ND(1)	ND(1)
Endosulfan sulfate	ND(1)	ND(1)
4,4'-DDT	ND(1)	ND(1)
O,p-DDT	ND(1)	ND(1)
Endrin aldehyde	ND(1)	ND(1)
Alpha-Chlordane	ND(1)	ND(1)
Gamma-Chlordane	ND(1)	ND(1)
Kelthane	ND(1)	ND(1)
Toxaphene	ND(5)	ND(5)

Southern States Utilities
Attn: Aaron Perlowich

Report #: 2083 (89-01-303)
Page 5 of 9

PROCEDURE: EPA METHOD 608

RESULTS, ug/l

<u>POLYCHLORINATED BIPHENYLS, PCB's</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Arochlor 1016	ND(5)	ND(5)
Arochlor 1221	ND(5)	ND(5)
Arochlor 1232	ND(5)	ND(5)
Arochlor 1242	ND(5)	ND(5)
Arochlor 1248	ND(5)	ND(5)
Arochlor 1254	ND(5)	ND(5)
Arochlor 1260	ND(5)	ND(5)

PROCEDURE: EPA METHOD 622

RESULTS, ug/l

<u>ORGANOPHOSPHORUS PESTICIDES</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Diazinon	ND(1)	ND(1)
Ethion	ND(1)	ND(1)
Guthion (Azinphos methyl)	ND(1)	ND(1)
Malathion	ND(1)	ND(1)
Parathion	ND(1)	ND(1)
Tedion	ND(1)	ND(1)
Trithion (Carbophenothion)	ND(1)	ND(1)

RESULTS

<u>MISCELLANEOUS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>	<u>PROCEDURE</u>	<u>UNITS</u>
Temik®, Aldicarb	ND(10)	ND(10)	EPA 531	ug/l
Gross Alpha (Storet #01501)	7.7	↑	EPA 900.0	pCi/l
Counting error (Storet #01502)	+ 4.7	↑	EPA 900.0	pCi/l

<u>MISCELLANEOUS</u>	<u>WELL</u>	<u>METHOD BLANK</u>	<u>PROCEDURE</u>	<u>UNITS</u>
Ethylene Dibromide, EDB	ND(0.02)	ND(0.02)	EPA 504	ug/l

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Southern States Utilities
Attn: Aaron Perlowich

Report #: 2083 (89-01-303)
Page 6 of 9

PROCEDURE: In accordance with Federal Register-Vol. 40, No. 248, Part IV-
Wednesday, December 24, 1975. U.S. Environmental Protection
Agency, National Interim Primary Drinking Water Regulations.

PRIMARY INORGANICS

<u>PDWR INORGANIC:</u>	<u>MCL</u>	<u>DISTRIBUTION</u>
Arsenic, As	0.05	<0.010
Barium, Ba	1.0	<0.100
Cadmium, Cd	0.010	<0.005
Chromium, Cr	0.05	<0.010
Lead, Pb	0.05	<0.010
Mercury, Hg	0.002	<0.0005
Selenium, Se	0.01	<0.005
Silver, Ag	0.05	<0.010
Nitrate Nitrogen, NO ₃ -N	10	<0.03
Fluoride, F	4.0	0.24

PRIMARY ORGANICS

"ORGANIC ANALYSES BY GAS CHROMATOGRAPHIC SCREENING"

<u>PDWR ORGANIC:</u>	<u>MCL</u>	<u>DISTRIBUTION</u>
Endrin	0.0002	ND(0.0001)
Lindane	0.004	ND(0.001)
Methoxychlor	0.1	ND(0.01)
Toxaphene	0.005	ND(0.001)
2,4-D	0.1	ND(0.01)
2,4,5-TP (Silvex)	0.01	ND(0.001)

RESULTS, mg/l

<u>MISCELLANEOUS</u>	<u>ENTRY POINT TO DISTRIBUTION</u>	<u>PROCEDURE</u>
Sodium, Na	79.1	EPA 200.7
Calcium, Ca	71.1	EPA 200.7
Turbidity, NTU	(13) z	EPA 180.1
Corrosivity	(-0.5)	EPA 110

*SECONDARY
STANDARDS*

Southern States Utilities
Attn: Aaron Perlowich

Report: 2083 (89-01-303)
Page 7 of 9

PROCEDURE: This water was analyzed according to "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, AWWA, and WPCF (1985).

*SECONDARY
STANDARDS*

RESULTS

<u>DETERMINATION</u>	<u>(MCL)</u>	<u>DISTRIBUTION</u>	<u>UNITS</u>
Chloride, Cl	(250)	220	mg/l
Color	(15)	10	PCU
Foaming Agents, (MBAS)	(0.5)	<0.1	mg/l
Sulfate, SO ₄	(250)	39	mg/l
Total Dissolved Solids	(500)	(670)	mg/l
pH (Laboratory)	(6.5-8.5)	7.2	units
Odor Threshold	(3)	1	---
Fluoride, F	(2)	0.24	mg/l
Copper, Cu	(1.0)	0.016	mg/l
Iron, Fe	(0.3)	<0.100	mg/l
Manganese, Mn	(0.05)	<0.050	mg/l
Zinc, Zn	(5)	<0.050	mg/l
Calcium, Ca		67.4	mg/l
Magnesium, Mg		30.8	mg/l

QUALITY CONTROL DATA SHEET

DUPLICATES:

PARAMETER	Z DIFFERENCE	DATE	ANALYST
1,2,4-Trichlorobenzene	4	02-03-89	E.P.
Acenaphthene	45	02-03-89	E.P.
2,4-Dinitrotoluene	1	02-03-89	E.P.
Pyrene	2	02-03-89	E.P.
N-Nitroso-Di-n-Propylamine	10	02-03-89	E.P.
1,4-Dichlorobenzene	<1	02-03-89	E.P.
Pentachlorophenol	31	02-03-89	E.P.
Phenol	12	02-03-89	E.P.
2-Chlorophenol	3	02-03-89	E.P.
4-Chloro-3-Methylphenol	20	02-03-89	E.P.
4-Nitrophenol	1	02-03-89	E.P.
Lindane	9	01-31-89	J.H.
Endrin	1	01-31-89	J.H.
DDT	33	01-31-89	J.H.
2,4-D	3	01-31-89	J.H.
2,4,5-TP	1	01-31-89	J.H.
EDB	1	01-31-89	J.H.
Aldicarb	17	01-31-89	J.H.
Parathion	11	01-31-89	J.H.
Trithion	3	01-31-89	J.H.
Ethion	6	01-31-89	J.H.
Arsenic	<1	02-07-89	J.H.
Barium	3	02-06-89	A.H.
Cadmium	<1	02-07-89	J.H.
Chromium	<1	02-08-89	J.C.
Lead	<1	02-07-89	J.C.
Mercury	<1	02-06-89	J.C.
Selenium	<1	02-07-89	J.H.
Silver	<1	02-07-89	J.H.
Calcium	<1	02-06-89	A.H.
Magnesium	<1	02-06-89	A.H.
Iron	<1	02-06-89	A.H.
Manganese	<1	02-06-89	A.H.
Copper	<1	02-06-89	A.H.
Zinc	<1	02-06-89	A.H.
Sodium	<1	02-06-89	A.H.
Nitrates	<1	01-31-89	P.S.
Hydrogen Sulfide	<1	02-01-89	P.S.
Turbidity	<1	02-01-89	C.F.
Odor	<1	02-01-89	C.F.
Color	<1	02-01-89	C.F.
MBAS	3	02-01-89	C.F.
pH	<1	02-02-89	P.S.
Total Alkalinity	<1	02-02-89	P.S.
Sulfate	1	02-03-89	C.F.
Fluoride	2	02-06-89	P.S.
TDS	2	02-07-89	C.F.
Gross Alpha	6.1	02-01-89	J.B.
1,1-Dichloroethene	7	02-06-89	L.B.
Trichloroethene	4	02-06-89	L.B.
Benzene	2	02-06-89	L.B.
Toluene	2	02-06-89	L.B.
Chlorobenzene	4	02-06-89	L.B.

QUALITY CONTROL DATA SHEET

SPIKES:

PARAMETER	% RECOVERY	DATE	ANALYST
1,2,4-Trichlorobenzene	82/85	02-03-89	E.P.
Acenaphthene	97/60	02-03-89	E.P.
2,4-Dinitrotoluene	91/90	02-03-89	E.P.
Pyrene	82/84	02-03-89	E.P.
N-Nitroso-Di-n-Propylamine	110/122	02-03-89	E.P.
1,4-Dichlorobenzene	106/105	02-03-89	E.P.
Pentachlorophenol	100/73	02-03-89	E.P.
Phenol	70/62	02-03-89	E.P.
2-Chlorophenol	111/108	02-03-89	E.P.
4-Chloro-3-Methylphenol	104/85	02-03-89	E.P.
4-Nitrophenol	67/73	02-03-89	E.P.
Lindane	93/102	01-31-89	J.H.
Endrin	72/71	01-31-89	J.H.
DDT	101/134	01-31-89	J.H.
2,4-D	52/55	01-31-89	J.H.
2,4,5-TP	61/60	01-31-89	J.H.
EDB	114/115	01-31-89	J.H.
Aldicarb	92/109	01-31-89	J.H.
Parathion	81/92	01-31-89	J.H.
Trithion	92/95	01-31-89	J.H.
Ethion	87/93	01-31-89	J.H.
Arsenic	100	02-07-89	J.H.
Barium	103	02-06-89	A.H.
Cadmium	94	02-07-89	J.H.
Chromium	109	02-08-89	J.C.
Lead	108	02-07-89	J.C.
Mercury	106	02-06-89	J.C.
Selenium	100	02-07-89	J.H.
Silver	87	02-07-89	J.H.
Calcium	105	02-06-89	A.H.
Magnesium	101	02-06-89	A.H.
Iron	91	02-06-89	A.H.
Manganese	102	02-06-89	A.H.
Copper	104	02-06-89	A.H.
Zinc	100	02-06-89	A.H.
Sodium	103	02-06-89	A.H.
Nitrates	96/96	01-31-89	P.S.
Hydrogen Sulfide	98/98	02-01-89	P.S.
Turbidity	N/A		
Odor	N/A		
Color	N/A		
MBAS	104/107	02-01-89	C.F.
pH	N/A		
Total Alkalinity	93/93	02-02-89	P.S.
Sulfate	99/98	02-03-89	C.F.
Fluoride	92/94	02-06-89	P.S.
TDS	87	02-07-89	C.F.
Gross Alpha	98/92	02-01-89	J.B.
1,1-Dichloroethene	88/82	02-06-89	L.B.
Trichloroethene	94/98	02-06-89	L.B.
Benzene	94/96	02-06-89	L.B.
Toluene	86/88	02-06-89	L.B.
Chlorobenzene	92/96	02-06-89	L.B.

DATE DUE 2/9/89

R.B.# 1203

CHAIN OF CUSTODY

NOTE: THIS FORM MUST BE FILLED OUT BEFORE

OLI PROJECT NO.

8901-303

Client Project No. _____

ANY SAMPLES WILL BE RECEIVED I

Client Southern State Address 1000 Color Pl. Apollo, FL.

Phone: 880-0100

Site name and location: Hermit Cove

Samples collected by: Jerry Boyd

LAB USE ONLY	Sample ID	Time collected		Sample type	List Hazardous Waste Considerations if Any.	E-1	N-2	614	608	622	9-2	P-201	P-202	SP-201																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Relinquished by signature Ralph Mann DATE & TIME _____

Received by signature Chen DATE & TIME 1/30/89 1619

Relinquished by signature _____ DATE & TIME _____

Received by signature 1/31/89 DATE & TIME _____

0514



ORLANDO LABORATORIES, INC.

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-8645

RECEIVED MAR 22 1989

REPORT OF ANALYSIS

Southern States Utilities
Attn: Aaron Perlowich
1000 Color Place
Apopka, FL 32703

Report No: 89-03-025 (2430)
Sample Submitted By: Client (R.M.)
Date Received: 03/02/89
OLI Contact: Joyce Casper

Purpose: To analyze the sample(s) for the listed parameters
Date Reported: 03/20/89
Authorization: Chain of Custody form received from client on 03/02/89. Sampling information is based on data supplied by client.
Work ID: Hermit's Cove
Facility: Apopka, FL
Type of Sample: Water
Sample ID: 01 Water Sample
02 Water Sample
03 Water Sample
04 Water Sample

Test Codes and Names used on this report:

CORR S	Corrosivity (SI)
RAD226	Radium 226 (Water)
TDS	Total Dissolved Solids
TURB	Turbidity

Respectfully submitted,
ORLANDO LABORATORIES, INC.

John H. Helli
Laboratory Manager
Joey Cowley
OLI Florida Department of Health and Rehabilitative Service Identification Number
is 83141.

Pat V. Helli
Quality Control

The Analytical Specialists

age 2
received: 03/02/89

Orlando Lab.

REPORT
Results By Test

Work Order # 89-03-025

TEST CODE default units	Sample 01 (entered units)	Sample 02 (entered units)	Sample 03 (entered units)
CORR_S	0.0		
NONE			
TDS	140	140	140
mg/l			
TURB	1.4	1.4	1.6
NTU			

0516

Page 3
Received: 03/02/89

Orlando Lab.

REPORT
Results By Test

Work Order # 89-03-025

SAMPLE		Test: <u>CORR S</u>	Test: <u>TDS</u>	Test: <u>TURB</u>
Sample Id		NONE	mg/l	NTU
01	Water Sample	0.0	140	1.4
02	Water Sample		140	1.4
03	Water Sample		140	1.6

0517

Page 4
Received: 03/02/89

Orlando Lab.

REPORT
Results by Sample

Work Order # 89-03-025

SAMPLE ID <u>Water Sample</u>		SAMPLE # <u>01</u> FRACTIONS: <u>A</u>	
Date & Time Collected <u>03/02/89</u>		Category <u></u>	
CORR_S <u>0.0</u>	TDS <u>140</u>	TURB <u>1.4</u>	
<u>NONE</u>	<u>mg/l</u>	<u>NTU</u>	

SAMPLE ID <u>Water Sample</u>		SAMPLE # <u>02</u> FRACTIONS: <u>A</u>	
Date & Time Collected <u>03/02/89</u>		Category <u></u>	
TDS <u>140</u>	TURB <u>1.4</u>		
<u>mg/l</u>	<u>NTU</u>		

SAMPLE ID <u>Water Sample</u>		SAMPLE # <u>03</u> FRACTIONS: <u>A</u>	
Date & Time Collected <u>03/02/89</u>		Category <u></u>	
TDS <u>140</u>	TURB <u>1.6</u>		
<u>mg/l</u>	<u>NTU</u>		

0518

Page 5
Received: 03/02/89

Orlando Lab.

REPORT

Work Order # 89-03-025

Results by Sample

SAMPLE ID Water Sample

FRACTION 04A

TEST CODE RAD226

NAME Radium 226 (water)

Date & Time Collected 03/02/89

Category _____

VERIFIED JAB

ANALYST JAB
INSTRMT TN4000

ANALYZD 03/05/89 FILE #
WRITTEN 03/13/89 UNITS pc1/1

Code	Element	RESULT	DET_LIMIT
Rad226	Radium 226	0.4	0.2
Ctn_Err	Counting Error	0.2	0.2

0519

Southern States Utilities
Attn: Aaron Perlowich

Report No: 89-03-025 (2430)AVH

QUALITY CONTROL DATA SHEETS

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
pH	0	N/A	03/05/89	PSO
Total Alkalinity	2	98	03/05/89	PSO
Turbidity	2	N/A	03/02/89	PSO
Total Dissolved Solids	4	93/109	03/10/89	PSO
Calcium	5	107	03/08/89	PR

HS
 State of Florida
 Department of Health and Rehabilitative Services
 Office of Laboratory Services
 P.O. Box 210
 Jacksonville, Florida 32231

I.D. NO. 13003
 REC'D ORI
 DEC 4 1 58 PM '91
 BY: D. KAZANIS
 12/5

**DRINKING WATER
 BACTERIOLOGICAL ANALYSIS**

SYSTEM NAME: Hennetts Cove SYSTEM I.D. NO: 2540482 SYSTEM PHONE #: 649-4143
 ADDRESS: Buffalo Bluff Rd. COUNTY: Palm Beach DER DISTRICT: 2
 COLLECTOR: R. C. COLLECTOR PHONE #: 649-4143
 SAMPLE SITE (Locality or Subdivision): Subdivision
 DATE AND TIME COLLECTED: 12/4/91 10:00
 TYPE OF SUPPLY(Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
 Private well Swimming pool Bottled water Other public water system
 TYPE OF SAMPLE(Circle one): Compliance Repeat Replacement Main clearance Well survey Other (Specify)
 (Check Box) (Check Box) (Check Box)
 [X] Distribution [] TNTC or C [] Turbid [] Raw []
 REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	pH	ANALYSIS METHOD: NF	MTF	MMO-MUG	PA	
				SAMPLE NUMBER	MON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	Well		7.5	05266	M	A		
2	Dist. 1	2		05266		A		
3	Dist. 2	2		05266		A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
 A - Coliforms are absent TNTC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES
 Putnam County Office
 P. O. Box 458
 Pomona Park, FL 32181

Bianca R. Rodriguez, Engineer
 Dept. of Env. Regulation
 DEC 12 1991

REVIEWING OFFICIAL: _____

TITLE: _____

1183 Form 845, Jan 91 (Obsolete previous editions which may not be used)
 (Stock Number: 8160-000-081-1)

Hobby Hills - 558

Lake County (SSU)

Water

- 1992 FPSC Filing -

Hobby Hills

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	1/91
Organic	1/91
Volatile Organic Chemicals	1/91
	4/91
	7/91
	10/91
Turbidity	1/91
Microbiological	12/91
Radionuclide	1/91
Secondary Contaminants	1/91
Unregulated Contaminants	1/91



ORLANDO LABORATORIES INC

Phot File

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 91-01-314
Date Received: 01/23/91
Date Reported: 02/06/91
OLI Contact: L_BALTZLEY

Work ID: 558 Hobby Hills *PWS ID # 3350544*
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Distribution
01 Composite #1
02 Method Blank

TEST CODES and NAMES used on this report

1_COMP Composite Data For Samples
PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS033 Radiological Analysis
PWS034 Unreg-Organic Purgeable
PWS035 Unreg-Organic Pesticides
PWS036 Unreg-Base Neutral Extract
PWS037 Unreg-Acid Extractable

Copy of results to:

Brian Heath
300 N. Fern Drive
Leesburg, FL 34748

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 82141. Environmental Certification Number 883023

Respectfully Submitted
ORLANDO LABORATORIES, INC.

[Signature]
Active
LABORATORY DIRECTOR

[Signature]
Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 896-6588

PUBLIC DRINKING WATER ANALYSIS REPORTING FORM

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350544
 Public Water System Name: Hobbs Mills
 Public Water System Type (check one):
 ☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Turbidity, Volatile Organic, Organic Chem.,
 Inorganic, Secondary Chem, Unreg-Organic Purgeable
 Unreg-Organic Pesticides, Unreg-Acid Extractables,
 Unreg-Base Neutral Extractable, Radiological Analysis
 Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 01/23/91
 Laboratory Sample Number: 01-01-314
 Sample Location: Hobbs Mills - Plant
 Sample Type (check all applicable):
 ☐ Check ☒ Regular Distribution ☒ Composite
 ☐ Clearance ☒ Maximum Residence Time ☐ Plant Tap
 ☒ Raw ☒ Well ☐ Re-sample
 ☐ Special
 Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 01/24/91 (504), 01/25/91 (625,622,608) 01/28/91 (615)
 Laboratory Contact: Eric Malarek
 Re-sample Requested? (check one): ☒ Yes ☐ No
 ANALYSES SUBMITTED: Turbidity ☒; Inorganic ☒; Trihalomethane ☒;
 Volatile Organic ☒; Organic Chemical ☒; Secondary Chemical ☒;
 Radiological ☒; Unregulated Organic Purgeable ☒; Unregulated
 Organic Pesticides ☒; Unregulated Base Neutral Extractable ☒;
 Unregulated Acid Extractable ☒; (Check all analyses which apply.)

I do HEARBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
 Name: Eric Malarek
 Title: Quality Control Officer
 Laboratory: Orlando Laboratories, Inc.
 Date: 2/19/91

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Distribution
DATE COLLECTED 01/23/91 11:00:00
TEST NAME Composite Data For Samples

SAMPLE# 01A
MATRIX WATER
TEST CODE 1 COMP

NUMBER OF SAMPLES COMPOSITED: 5

	Sample Identification	Date & Time Collected
#1	PICCIOLA ISLAND WELL #1	01/23/91 10:00
#2	PICCIOLA ISLAND WELL #2	01/23/91 10:00
#3	HOBBY HILLS WELL #1	01/23/91 11:00
#4	HOBBY HILLS WELL #2	01/23/91 11:00
#5	PALM MOBILE HP WELL #1	01/23/91 12:00
#6		
#7		
#8		
#9		
#10		
#11		
#12		

The results for this composite can
be found under the Sample ID of: COMPOSITE #1

Comments SAMPLES WERE COMPOSITED FOR PALM MOBILE HOME
PARK, HOBBY HILLS AND PICCIOLA ISLAND.

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Distribution
DATE COLLECTED 01/23/91 11:00:00
TEST NAME Turbidity Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS026

TURBIDITY ANALYSIS
17-550.310 (3)
(PWS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100 Turbidity			<0.50	EPA 180.1	01/24/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Distribution
DATE COLLECTED 01/23/91 11:00:00
TEST NAME Organic Chemical Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310 (2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	01/27/91
2010 Lindane			0.00005 U	EPA 608	0.00005	01/27/91
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	01/27/91
2020 Toxaphene			0.00100 U	EPA 608	0.00100	01/27/91
2105 2,4-D			0.0020 U	EPA 615	0.0020	01/28/91
2110 2,4,5-TP (Silvex)			0.0010 U	EPA 615	0.0010	01/28/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Distribution
DATE COLLECTED 01/23/91 11:00:00
TEST NAME Inorganic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	01/28/91
1010 Barium			<0.100	EPA 200.7	0.100	02/01/91
1015 Cadmium			<0.005	EPA 213.2	0.005	01/25/91
1020 Chromium			<0.010	EPA 218.2	0.010	01/29/91
1025 Fluoride			0.12	EPA 340.2	0.1	01/28/91
1030 Lead			<0.010	EPA 239.2	0.010	01/29/91
1035 Mercury			<0.0005	EPA 245.1	0.0005	02/05/91
1040 Nitrate (as N)			3.2	EPA 352.2	0.03	01/31/91
1045 Selenium			<0.010	EPA 270.2	0.005	01/31/91
1050 Silver			<0.010	EPA 272.2	0.010	01/25/91
1052 Sodium			6.80	EPA 200.7	0.001	01/31/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Distribution
DATE COLLECTED 01/23/91 11:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			36.0	EPA 200.7	0.1	02/01/91
1017 Chloride			10	SM 407	1.0	01/25/91
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	02/01/91
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			0.12	EPA 340.2	0.1	01/28/91
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			<0.100	EPA 200.7	0.100	02/01/91
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.030	EPA 200.7	0.030	02/01/91
1055 Sulfate			1.2	EPA 375.4	1.0	01/26/91
1095 Zinc			<0.050	EPA 200.7	0.050	02/01/91
1901 Carbon Dioxide			1.8	SM 406.C	1.0	02/01/91
1905 Color (color units)			<5.0	EPA 270.2	5 PCU	01/25/91
1915 Total Hardness			89.0	EPA 200.7	0.050	02/01/91
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			4.0	EPA 140.1	1	01/25/91
1924 Field pH (units)			7.1			
1925 Lab pH (units)			7.35	EPA 150.1	N/A	01/24/91
1926 Field Conductivity			361			

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314
Continued From Above

SAMPLE ID Distribution
DATE COLLECTED 01/23/91 11:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# Q1A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			89	EPA 310.1	2.0	01/24/91
1930 TDS			170	EPA 160.1	1.0	01/29/91
1931 Phenolphthalein ALK.			<2.0	EPA 310.1	2.0	01/24/91
1996 Field Temp. (C)			28			
1997 Langlier Index pHs			7.92	CALC	N/A	02/04/91
1998 Saturation Index			0.03	CALC	N/A	02/04/91
1999 Stability Index			7.89	CALC	N/A	02/04/91
2909 Foaming Agents			<0.10	EPA 425.1	0.1	01/25/91
9996 Field DO			5.4			
9997 Field Chlorine			1.8			

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Distribution
DATE COLLECTED 01/23/91 11:00:00
TEST NAME Radiological Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310 (5)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u>2.3</u>	<u>EPA 900.0</u>	<u>+/- 1.4</u>	<u>01/28/91</u>
4006 Total Uranium	_____	<u>N/A</u>	_____	_____	_____
4010 Total Radium	_____	<u>N/A</u>	_____	_____	_____
4020 Radium-226	_____	<u>N/A</u>	_____	_____	_____
4030 Radium-228	_____	<u>N/A</u>	_____	_____	_____
4100 Gross Beta	_____	<u>5.0</u>	<u>EPA 900.0</u>	<u>+/- 1.3</u>	<u>01/28/91</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Composite #1
DATE COLLECTED 01/23/91
TEST NAME Volatile Organic Analysis

SAMPLE# 018
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002	U	EPA 504	0.00002	01/28/91
2969 Para-dichlorobenzene			0.0005	U	EPA 524	0.0005	01/24/91
2976 Vinyl Chloride			0.0005	U	EPA 524	0.0005	01/24/91
2977 1,1-Dichloroethene			0.0005	U	EPA 524	0.0005	01/24/91
2980 1,2-Dichloroethane			0.0005	U	EPA 524	0.0005	01/24/91
2981 1,1,1-trichloroethane			0.0005	U	EPA 524	0.0005	01/24/91
2982 Carbon Tetrachloride			0.0005	U	EPA 524	0.0005	01/24/91
2984 Trichloroethene			0.0005	U	EPA 524	0.0005	01/24/91
2987 Tetrachloroethene			0.0005	U	EPA 524	0.0005	01/24/91
2990 Benzene			0.0005	U	EPA 524	0.0005	01/24/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Composite #1
DATE COLLECTED 01/23/91
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01B
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2212 Dichlorodifluoro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2214 Bromomethane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2216 Chloroethane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2218 Trichlorofluoro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2224 trans-1,3-Dichloro propene	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2228 cis-1,3-Dichloro propene	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2251 Methyl tert-butyl ether	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2380 cis-1,2-Dichloro ethene	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2408 Dibromomethane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2410 1,1-Dichloropropene	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2412 1,3-Dichloropropane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2414 1,2,3-Trichloro propane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2416 2,2-Dichloropropane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2931 1,2-dibromo-3-chloro propane	_____	_____	0.00020 U	EPA 504	0.00020	01/28/91
2941 Chloroform	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2942 Bromoform	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91
2943 Bromodichloro methane	_____	_____	0.00050 U	EPA 524	0.00050	01/24/91

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314
Continued From Above

SAMPLE ID Composite #1
DATE COLLECTED 01/23/91
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01B
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloro methane	0.00050 U	EPA 524	0.00050	01/24/91
2962 para-Xylene	0.00050 U	EPA 524	0.00050	01/24/91
2964 Methylene Chloride	0.00050 U	EPA 524	0.00050	01/24/91
2965 o-Chlorotoluene	0.00050 U	EPA 524	0.00050	01/24/91
2966 p-Chlorotoluene	0.00050 U	EPA 524	0.00050	01/24/91
2967 meta-Dichlorobenzene	0.00050 U	EPA 524	0.00050	01/24/91
2968 o-Dichlorobenzene	0.00050 U	EPA 524	0.00050	01/24/91
2978 1,1-Dichloroethane	0.00050 U	EPA 524	0.00050	01/24/91
2979 trans-1,2-Dichloro ethene	0.00050 U	EPA 524	0.00050	01/24/91
2983 1,2-Dichloropropane	0.00050 U	EPA 524	0.00050	01/24/91
2985 1,1,2-Trichloroethane	0.00050 U	EPA 524	0.00050	01/24/91
2986 1,1,1,2-Tetrachloro ethane	0.00050 U	EPA 524	0.00050	01/24/91
2988 1,1,2,2-Tetrachloro ethane	0.00050 U	EPA 524	0.00050	01/24/91
2989 Chlorobenzene	0.00050 U	EPA 524	0.00050	01/24/91
2991 Toluene	0.00050 U	EPA 524	0.00050	01/24/91
2992 Ethylbenzene	0.00050 U	EPA 524	0.00050	01/24/91
2993 Bromobenzene	0.00050 U	EPA 524	0.00050	01/24/91
2995 meta-Xylene	0.00050 U	EPA 524	0.00050	01/24/91
2996 Styrene	0.00050 U	EPA 524	0.00050	01/24/91
2997 ortho Xylene	0.00050 U	EPA 524	0.00050	01/24/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Composite #1
DATE COLLECTED 01/23/91
TEST NAME Unreg-Organic Pesticides

SAMPLE# 01B
MATRIX WATER
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	01/28/91
2036 Oxanyl (Vydate)			0.00200 U	EPA 531	0.00200	01/30/91
2037 Simazine			0.00005 U	EPA 622	0.00005	01/27/91
2040 Picloran			0.00100 U	EPA 615	0.00100	01/28/91
2041 Dinoseb			0.00200 U	EPA 615	0.00200	01/28/91
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	01/30/91
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	01/30/91
2045 Metolachlor			0.00005 U	EPA 622	0.00005	01/27/91
2046 Carbofuran			0.00150 U	EPA 531	0.00150	01/30/91
2047 Aldicarb			0.00100 U	EPA 531	0.00100	01/30/91
2050 Atrazine			0.00005 U	EPA 622	0.00005	01/27/91
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	01/27/91
2065 Heptachlor			0.00005 U	EPA 608	0.00005	01/27/91
2356 Aldrin			0.00005 U	EPA 608	0.00005	01/27/91
2364 Dieldrin			0.00010 U	EPA 608	0.00010	01/27/91
2440 Dicanba			0.00200 U	EPA 615	0.00200	01/28/91
2959 Chlordane			0.00050 U	EPA 608	0.00050	01/27/91
2326 Pentachlorophenol			0.05000 U	EPA 625	0.05000	01/25/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Composite #1
DATE COLLECTED 01/23/91
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 01B
MATRIX WATER
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410 (3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclo- pentadiene			0.01000 U	EPA 625	0.01000	01/25/91
2063 Dioxin			0.01000 U	EPA 625	0.01000	01/25/91
2262 Isophorone			0.01000 U	EPA 625	0.01000	01/25/91
2270 2,4-dinitrotoluene			0.01000 U	EPA 625	0.01000	01/25/91
2282 Dimethylphthalate			0.01000 U	EPA 625	0.01000	01/25/91
2284 Diethylphthalate			0.01000 U	EPA 625	0.01000	01/25/91
2290 Dinbutylphthalate			0.01000 U	EPA 625	0.01000	01/25/91
2294 Butyl benzyl phthalate			0.01000 U	EPA 625	0.01000	01/25/91
2298 Bis(2-ethylhexyl) phthalate			0.01000 U	EPA 625	0.01000	01/25/91
2378 1,2,4-trichloro benzene			0.01000 U	EPA 625	0.01000	01/25/91
2388 PCB-1016			0.00050 U	EPA 608	0.00050	01/27/91
2390 PCB-1221			0.00050 U	EPA 608	0.00050	01/27/91
2392 PCB-1232			0.00050 U	EPA 608	0.00050	01/27/91
2394 PCB-1242			0.00050 U	EPA 608	0.00050	01/27/91
2396 PCB-1248			0.00050 U	EPA 608	0.00050	01/27/91
2398 PCB-1254			0.00100 U	EPA 608	0.00100	01/27/91
2400 PCB-1260			0.00100 U	EPA 608	0.00100	01/27/91
9089 Dioctylphthalate			0.01000 U	EPA 625	0.01000	01/25/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Composite #1
DATE COLLECTED 01/23/91
TEST NAME Unreg-Acid Extractable

SAMPLE# 01B
MATRIX WATER
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-SSD.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol			0.01000	U	EPA 625	0.01000	01/25/91
9112 2-methyl-4,6-dinitro phenol			0.05000	U	EPA 625	0.05000	01/25/91
9115 Phenol			0.01000	U	EPA 625	0.01000	01/25/91
9116 2,4,6-trichloro- phenol			0.01000	U	EPA 625	0.01000	01/25/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	_____	_____	0.00002	U	EPA 504	0.00002	01/28/91
2969 Para-dichlorobenzene	_____	_____	0.0005	U	EPA 524	0.0005	01/24/91
2976 Vinyl Chloride	_____	_____	0.0005	U	EPA 524	0.0005	01/24/91
2977 1,1-Dichloroethene	_____	_____	0.0005	U	EPA 524	0.0005	01/24/91
2980 1,2-Dichloroethane	_____	_____	0.0005	U	EPA 524	0.0005	01/24/91
2981 1,1,1-trichloroethane	_____	_____	0.0005	U	EPA 524	0.0005	01/24/91
2982 Carbon Tetrachloride	_____	_____	0.0005	U	EPA 524	0.0005	01/24/91
2984 Trichloroethene	_____	_____	0.0005	U	EPA 524	0.0005	01/24/91
2987 Tetrachloroethene	_____	_____	0.0005	U	EPA 524	0.0005	01/24/91
2990 Benzene	_____	_____	0.0005	U	EPA 524	0.0005	01/24/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	01/27/91
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	01/27/91
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	01/27/91
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	01/27/91
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	01/28/91
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	01/28/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane			0.00050 U	EPA 524	0.00050	01/24/91
2212 Dichlorodifluoro methane			0.00050 U	EPA 524	0.00050	01/24/91
2214 Bromomethane			0.00050 U	EPA 524	0.00050	01/24/91
2216 Chloroethane			0.00050 U	EPA 524	0.00050	01/24/91
2218 Trichlorofluoro methane			0.00050 U	EPA 524	0.00050	01/24/91
2224 trans-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	01/24/91
2228 cis-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	01/24/91
2251 Methyl tert-butyl ether			0.00050 U	EPA 524	0.00050	01/24/91
2380 cis-1,2-Dichloro ethene			0.00050 U	EPA 524	0.00050	01/24/91
2408 Dibromomethane			0.00050 U	EPA 524	0.00050	01/24/91
2410 1,1-Dichloropropene			0.00050 U	EPA 524	0.00050	01/24/91
2412 1,3-Dichloropropane			0.00050 U	EPA 524	0.00050	01/24/91
2414 1,2,3-Trichloro propane			0.00050 U	EPA 524	0.00050	01/24/91
2416 2,2-Dichloropropane			0.00050 U	EPA 524	0.00050	01/24/91
2931 1,2-dibromo-3-chloro propane			0.00020 U	EPA 504	0.00020	01/28/91
2941 Chloroform			0.00050 U	EPA 524	0.00050	01/24/91
2942 Bromoform			0.00050 U	EPA 524	0.00050	01/24/91
2943 Bromodichloro methane			0.00050 U	EPA 524	0.00050	01/24/91

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314
Continued From Above

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloroethane	0.00050	U	EPA 524	0.00050	01/24/91
2962 para-Xylene	0.00050	U	EPA 524	0.00050	01/24/91
2964 Methylene Chloride	0.00050	U	EPA 524	0.00050	01/24/91
2965 o-Chlorotoluene	0.00050	U	EPA 524	0.00050	01/24/91
2966 p-Chlorotoluene	0.00050	U	EPA 524	0.00050	01/24/91
2967 meta-Dichlorobenzene	0.00050	U	EPA 524	0.00050	01/24/91
2968 o-Dichlorobenzene	0.00050	U	EPA 524	0.00050	01/24/91
2978 1,1-Dichloroethane	0.00050	U	EPA 524	0.00050	01/24/91
2979 trans-1,2-Dichloroethene	0.00050	U	EPA 524	0.00050	01/24/91
2983 1,2-Dichloropropane	0.00050	U	EPA 524	0.00050	01/24/91
2985 1,1,2-Trichloroethane	0.00050	U	EPA 524	0.00050	01/24/91
2986 1,1,1,2-Tetrachloroethane	0.00050	U	EPA 524	0.00050	01/24/91
2988 1,1,2,2-Tetrachloroethane	0.00050	U	EPA 524	0.00050	01/24/91
2989 Chlorobenzene	0.00050	U	EPA 524	0.00050	01/24/91
2991 Toluene	0.00050	U	EPA 524	0.00050	01/24/91
2992 Ethylbenzene	0.00050	U	EPA 524	0.00050	01/24/91
2993 Bromobenzene	0.00050	U	EPA 524	0.00050	01/24/91
2995 meta-Xylene	0.00050	U	EPA 524	0.00050	01/24/91
2996 Styrene	0.00050	U	EPA 524	0.00050	01/24/91
2997 ortho Xylene	0.00050	U	EPA 524	0.00050	01/24/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg Organic Pesticides

SAMPLE# Q2A
MATRIX METHOD BLANK
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	01/28/91
2036 Oxamyl (Vydate)			0.00200 U	EPA 531	0.00200	01/30/91
2037 Simazine			0.00005 U	EPA 622	0.00005	01/27/91
2040 Picloram			0.00100 U	EPA 615	0.00100	01/28/91
2041 Dinoseb			0.00200 U	EPA 615	0.00200	01/28/91
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	01/30/91
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	01/30/91
2045 Metolachlor			0.00005 U	EPA 622	0.00005	01/27/91
2046 Carbofuran			0.00150 U	EPA 531	0.00150	01/30/91
2047 Aldicarb			0.00100 U	EPA 531	0.00100	01/30/91
2050 Atrazine			0.00005 U	EPA 622	0.00005	01/27/91
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	01/27/91
2065 Heptachlor			0.00005 U	EPA 608	0.00005	01/27/91
2356 Aldrin			0.00005 U	EPA 608	0.00005	01/27/91
2364 Dieldrin			0.00010 U	EPA 608	0.00010	01/27/91
2440 Dicamba			0.00200 U	EPA 615	0.00200	01/28/91
2959 Chlordane			0.00050 U	EPA 608	0.00050	01/27/91
2326 Pentachlorophenol			0.05000 U	EPA 625	0.05000	01/25/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclopentadiene	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2063 Dioxin	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2262 Isophorone	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2270 2,4-dinitrotoluene	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2282 Dimethylphthalate	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2284 Diethylphthalate	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2290 Dibutylphthalate	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2294 Butyl benzyl phthalate	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2298 Bis(2-ethylhexyl) phthalate	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2378 1,2,4-trichloro benzene	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91
2388 PCB-1016	_____	_____	0.00050 U	EPA 608	0.00050	01/27/91
2390 PCB-1221	_____	_____	0.00050 U	EPA 608	0.00050	01/27/91
2392 PCB-1232	_____	_____	0.00050 U	EPA 608	0.00050	01/27/91
2394 PCB-1242	_____	_____	0.00050 U	EPA 608	0.00050	01/27/91
2396 PCB-1248	_____	_____	0.00050 U	EPA 608	0.00050	01/27/91
2398 PCB-1254	_____	_____	0.00100 U	EPA 608	0.00100	01/27/91
2400 PCB-1260	_____	_____	0.00100 U	EPA 608	0.00100	01/27/91
9089 Dioctylphthalate	_____	_____	0.01000 U	EPA 625	0.01000	01/25/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/23/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-314

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Acid Extractable

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)		Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol	_____	_____	0.01000	U	EPA 625	0.01000	01/25/91
9112 2-methyl-4,6-dinitro phenol	_____	_____	0.05000	U	EPA 625	0.05000	01/25/91
9115 Phenol	_____	_____	0.01000	U	EPA 625	0.01000	01/25/91
9116 2,4,6-trichloro- phenol	_____	_____	0.01000	U	EPA 625	0.01000	01/25/91

Comments:

ORLANDO LABORATORIES, INC.

Page No: 22

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-30-1991

LAB SAMPLE # : 9101343-04A
ANALYSIS DATE : 01/30/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ALDICARB	100	0	91	91	96	96	3

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ALDICARB	62	130	20	60	135	20

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-29-1991

LAB SAMPLE # : 9101343-01a
ANALYSIS DATE : 01/28/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSDR RECOVERY	RPD
PICLORAM	100	0	83	83	100	100	19
2,4,5-TP (silver)	100	0	100	100	105	105	5

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
PICLORAM	80	175	30	80	175	30
2,4,5-TP (silver)	80	175	30	80	175	30

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-28-1991

LAB SAMPLE # : 9101199-01a
ANALYSIS DATE : 01/27/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	RSD RESULT	RSD % RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	0	117	117	108	108	8
HEPTACHLOR	100	0	119	119	111	111	7
ALDRIN	100	0	114	114	97	97	16
DIELDRIN	100	0	113	113	103	103	9
ENDRIN	100	0	109	109	98	98	11
4,4-DDT	100	0	111	111	97	97	13

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	56	123	15	46	127	50
HEPTACHLOR	40	131	20	35	130	31
ALDRIN	40	120	22	34	132	43
DIELDRIN	52	126	18	31	134	38
ENDRIN	56	121	21	42	139	45
4,4-DDT	38	127	27	23	134	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-28-1991

LAB SAMPLE # : 9101199-01a
ANALYSIS DATE : 01/27/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ALACHLOR	100	0	113	113	96	96	18
COMMENTS :							

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ALACHLOR	70	130	30	60	140	35

ORLANDO LABORATORIES INC.

GC/MS SEMI-VOLATILE ORGANICS

Page No: 26

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-26-1991

LAB SAMPLE # : 9101343-2 625
ANALYSIS DATE : 1/25/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSDA RECOVERY	RPD
phenol	200	0	122	61	135	68	10
2-chlorophenol	200	0	195	98	221	111	13
4-chloro-3-methylphenol	200	0	207	104 *	237	119 *	14
4-nitrophenol	200	0	129	65	141	71	9
pentachlorophenol	200	0	236	118 *	259	130 *	9
1,4-dichlorobenzene	100	0	104	104 *	117	117 *	12
n-nitroso-di-n-propylamine	100	0	102	102	109	109	7
1,2,4-trichlorobenzene	100	0	105	105 *	124	124 *	17
acenaphthene	100	0	100	100	109	109	9
2,4-dinitrotoluene	100	0	111	111 *	120	120 *	8
pyrene	100	0	103	103	115	115	11

COMMENTS : * = parameter outside QC limits. due to matrix interference.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
phenol	12	89	42	26	90	35
2-chlorophenol	27	123	40	25	102	50
4-chloro-3-methylphenol	23	97	42	26	103	33
4-nitrophenol	10	90	50	11	114	50
pentachlorophenol	25	103	50	17	109	47
1,4-dichlorobenzene	36	97	28	28	104	27
n-nitroso-di-n-propylamine	41	116	38	41	126	38
1,2,4-trichlorobenzene	39	98	28	38	107	23
acenaphthene	46	118	31	31	137	19
2,4-dinitrotoluene	24	102	38	28	95	47
pyrene	26	127	31	35	142	36

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-28-1991

LAB SAMPLE # : 9101313-01A
ANALYSIS DATE : 01/28/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	RSD RESULT	RSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	8	91	91	70	70	26 *

COMMENTS : * = parameter outside QC limits. due to matrix interference.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	50	100	20	35	90	20

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

Page No: 28

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-26-1991

LAB SAMPLE # : 9101294-2 524
ANALYSIS DATE : 1/24/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
1,1-dichloroethane	50	0	43	86	46	92	7
trichloroethane	50	0	46	92	51	102	10
benzene	50	0	38	76	43	86	12 *
toluene	50	0	57	114	60	120	5
chlorobenzene	50	0	56	112	54	108	4

COMMENTS : * = parameter outside QC limits. due to matrix interference.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethane	61	145	14	59	172	22
trichloroethane	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

Southern States Utilities
Attn: Aaron Perlowich

Report No: 91-01-314
Page No: 29

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Gross Alpha	0.2	82	01/28/91	JAB
Gross Beta	0.9	97	01/28/91	JAB
Turbidity	<1	N/A	01/24/91	RAW
Color	<1	N/A	01/25/91	TB
Odor	<1	N/A	01/25/91	TB
pH	<1	N/A	01/24/91	RAE
MBAS	<1	82	01/25/91	JN
Nitrogen, Nitrite	<1	102	01/25/91	RAW
Total Alkalinity	<1	94	01/24/91	RAW
Fluoride	<1	94	01/28/91	TB
Nitrogen, Nitrate	<1	99	01/31/91	SC
Chloride	<1	105	01/25/91	JN
Sulfate	<1	105	01/26/91	TB
TDS	1	N/A	01/29/91	JN
Silver	<1	96	01/25/91	DR
Cadmium	<1	100	01/25/91	DR
Arsenic	<1	100	01/28/91	DR
Chromium	<1	100	01/24/91	DR
Lead	2	95	01/29/91	RJW
Selenium	<1	98	01/31/91	DR
Barium	<1	104	02/01/91	BB
Sodium	<1	106	02/01/91	BB
Copper	<1	102	02/01/91	BB
Iron	<1	108	02/01/91	BB
Manganese	<1	102	02/01/91	BB
Zinc	<1	101	02/01/91	BB
Calcium	<1	107	02/01/91	BB
Mercury	<1	102	02/05/91	LG

NOTE: The duplicates for Gross Alpha & Gross Beta are reported as actual difference rather than percent difference as specified.



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0554



ORLANDO LABORATORIES ^{INC.}

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Don Corder

Work Order # : 91-04-270
Date Received: 04/16/91
Date Reported: 04/30/91
OLI Contact: L_BALTZLEY

Work ID: Hobby Hills #558
Samples collected by: Client
Total Samples: 2

PWS / D 3350544

SAMPLE IDENTIFICATION
01 Hobbie Odor 4/15
02 Hobbie Odor 4/16

TEST CODES and NAMES used on this report
PWS031 Secondary Chem. Analysis

Copy of results to:

Brian Heath
300 N. Fern Drive
Leesburg, FL 34748

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

John Hobbs
John Hobbs
LABORATORY DIRECTOR

Eric Malarek
Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 04/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-04-270

SAMPLE ID Hobbie Odor 4/15
DATE COLLECTED 04/15/91 16:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			NOT ANALYZED			
1017 Chloride			NOT ANALYZED			
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			NOT ANALYZED			
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			NOT ANALYZED			
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			NOT ANALYZED			
1031 Magnesium			NOT ANALYZED			
1032 Manganese			NOT ANALYZED			
1055 Sulfate			NOT ANALYZED			
1095 Zinc			NOT ANALYZED			
1901 Carbon Dioxide			NOT ANALYZED			
1905 Color (color units)			NOT ANALYZED			
1915 Total Hardness			NOT ANALYZED			
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			4.0	EPA 140.1	1	04/17/91
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			NOT ANALYZED			
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 04/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-04-270
Continued From Above

SAMPLE ID Hobbie Odor 4/15
DATE COLLECTED 04/15/91 16:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# Q1A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1930 TDS	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1931 Phenolphthalein ALK.	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1996 Field Temp. (C)	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1997 Langelier Index pHs	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1998 Saturation Index	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
1999 Stability Index	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
2909 Foaming Agents	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
9996 Field DO	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____
9997 Field Chlorine	_____	_____	<u>NOT ANALYZED</u>	_____	_____	_____

Comments:

ORLANDO LABORATORIES, INC.
Received: 04/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-04-270

SAMPLE ID Hobbie Odor 4/16
DATE COLLECTED 04/16/91 09:45:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			NOT ANALYZED			
1017 Chloride			NOT ANALYZED			
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			NOT ANALYZED			
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			NOT ANALYZED			
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			NOT ANALYZED			
1031 Magnesium			NOT ANALYZED			
1032 Manganese			NOT ANALYZED			
1055 Sulfate			NOT ANALYZED			
1095 Zinc			NOT ANALYZED			
1901 Carbon Dioxide			NOT ANALYZED			
1905 Color (color units)			NOT ANALYZED			
1915 Total Hardness			NOT ANALYZED			
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			2.0	EPA 140.1	1	04/17/91
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			NOT ANALYZED			
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 04/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-04-270
Continued From Above

SAMPLE ID Hobbie Odor 4/16
DATE COLLECTED 04/16/91 09:45:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			NOT ANALYZED			
1930 TDS			NOT ANALYZED			
1931 Phenolphthalein Alk.			NOT ANALYZED			
1996 Field Temp. (C)			NOT ANALYZED			
1997 Langlier Index pHs			NOT ANALYZED			
1998 Saturation Index			NOT ANALYZED			
1999 Stability Index			NOT ANALYZED			
2909 Foaming Agents			NOT ANALYZED			
9996 Field OD			NOT ANALYZED			
9997 Field Chlorine			NOT ANALYZED			

Comments:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 91-04-270
Page No: 6

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES % DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	N/A	04/17/91	RG



CHAIN-OF-CUSTODY RECORD
(INSTRUCTIONS ON BACK)

Page 1 of 1[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0561

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 330544
 Public Water System Name: Hobby Hill
 Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Secondaries

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 04/15/91 & 04/16/91
 Laboratory Sample Number: 91-04-270
 Sample Location: Point at Entry - Plant
 Sample Type (check all applicable):
☐ Check ☒ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special
 Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): N/A
 Laboratory Contact: Eric Malarek
 Re-sample Requested? (check one): ☐ Yes ☐ No
 ANALYSES SUBMITTED: Turbidity__ ; Inorganic__ ; Trihalomethane__ ;
 Volatile Organic__ ; Organic Chemical__ ; Secondary Chemical__ ;
 Radiological__ ; Unregulated Organic Purgeable__ ; Unregulated
 Organic Pesticides__ ; Unregulated Base Neutral Extractable__ ;
 Unregulated Acid Extractable__ ; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
 Name: Eric Malarek
 Title: Quality Control Officer
 Laboratory: Orlando Laboratories, Inc.
 Date: 5/1/91

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Don Corder

Work Order # : 91-05-438
Date Received: 05/31/91
Date Reported: 06/06/91
OLI Contact: L_BALTZLEY

Work ID: #558 Hobby Hills
Samples collected by: Client
Total Samples: 2

SAMPLE IDENTIFICATION
01 Odor #1
02 Odor #2

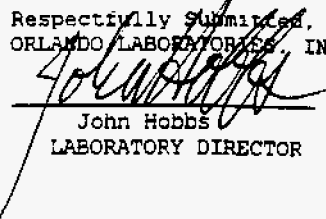
TEST CODES and NAMES used on this report
ODOR Odor Threshold

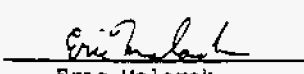
Copy of results to:

Brian Heath
300 N. Fern Drive
Leesburg, FL 34748

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 93141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 896-6558

ORLANDO LABORATORIES, INC.
Received: 05/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-05-438

SAMPLE ID	<u>Odor #1</u>	SAMPLE #	<u>01A</u>
DATE COLLECTED	<u>05/30/91 17:00:00</u>	MATRIX	<u>WATER</u>
ODOR	<u>4</u>		
	<u>T.O.N.</u>		

SAMPLE ID	<u>Odor #2</u>	SAMPLE #	<u>02A</u>
DATE COLLECTED	<u>05/31/91 09:00:00</u>	MATRIX	<u>WATER</u>
ODOR	<u>2</u>		
	<u>T.O.N.</u>		

Southern States Utilities
Attn: Don Corder

Report No: 91-05-438
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES & DIFFERENCE</u>	<u>SPIKES & RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	N/A	05/31/91	RG



Page _____ of _____

[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0566



ORLANDO LABORATORIES ^{INC}

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Don Corder

Work Order # : 91-06-160
Date Received: 06/12/91
Date Reported: 06/17/91
OLI Contact: L_BALTZLEY

Work ID: Hobbie Hills #558
Samples collected by: Brian Heath
Total Samples: 2

SAMPLE IDENTIFICATION
01 Odor #3
02 Odor #4

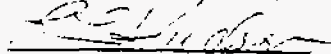
TEST CODES and NAMES used on this report
ODOR Odor Threshold

Copy of results to:

Brian Heath
300 N. Fern Drive
Leesburg, FL 32748

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 06/12/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 31-06-160

SAMPLE ID	<u>Odor #3</u>	SAMPLE #	<u>01A</u>
DATE COLLECTED	<u>06/11/91 17:00:00</u>	MATRIX	<u>WATER</u>
ODOR	<u>2</u>		
	<u>T.O.N.</u>		

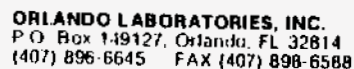
SAMPLE ID	<u>Odor #4</u>	SAMPLE #	<u>02A</u>
DATE COLLECTED	<u>06/12/91 09:45:00</u>	MATRIX	<u>WATER</u>
ODOR	<u>2</u>		
	<u>T.O.N.</u>		

Southern States Utilities
Attn: Don Corder

Report No: 91-06-160
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES</u> <u>% DIFFERENCE</u>	<u>SPIKES</u> <u>% RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	N/A	06/12/91	JN



CHAIN-OF-CUSTODY RECORD
(INSTRUCTIONS ON BACK)

Page 1 of 1[illegible]

ORIGINAL - CAB
YELLOW FILE
PINK - BUREAU

0570



ORLANDO LABORATORIES^{INC}

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Don Corder

Work Order # : 91-04-166
Date Received: 04/10/91
Date Reported: 04/18/91
OLI Contact: L_BALTZLEY

Work ID: Hobby Hills *POS ID 3350544*
Samples collected by: Client
Total Samples: 1

SAMPLE IDENTIFICATION TEST CODES and NAMES used on this report
01 Point of Entry - Odor ODOR Odor Threshold

Copy of results to:

Brian Heath
300 N. Fern Drive
Leesburg, FL 34748

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 33141. Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

John Hobbs
John Hobbs
LABORATORY DIRECTOR

Eric Malarek
Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 896-6588

ORLANDO LABORATORIES, INC.
Received: 04/10/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-04-166

SAMPLE ID	<u>Point of Entry - Odeur</u>	SAMPLE #	<u>01A</u>
DATE COLLECTED	<u>04/10/91 08:45:00</u>	MATRIX	<u>WATER</u>
DDDR	<u>1.0</u>		
	<u>T.O.N.</u>		

Southern States Utilities
Attn: Don Corder

Report No: 91-04-166
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES % DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Odor	<1	N/A	04/11/91	SC

[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0574



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

May 6, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Palms Mobile Home PWS ID #3350981
Picciola Island PWS ID #3351009
Hobby Hills PWS ID #3350544

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis second quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Serving the customers of the Citrus Springs, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

Plant-File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: May 1 1991

PO Number: 111401

PO Number SSU

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL SAMPLE

Date Received:

April 8 1991

Lab Number : 16698

REPORT OF ANALYSIS

Hobby Hills
Palma Vista Homes
Pineapple Island

Parameter	Unit	Method	MAQC	MPRC	16698
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	97.3	13.0	<0.000005
Para-dichlorobenzene	mg/L	0.001	98.8	5.42	<0.001
Vinyl chloride	mg/L	0.001	94.6	6.87	<0.001
1,1-dichloroethene	mg/L	0.001	94.6	6.87	<0.001
1,2-dichloroethane	mg/L	0.001	94.1	1.49	<0.001
1,1,1-trichloroethane	mg/L	0.001	100	2.61	<0.001
Carbon tetrachloride	mg/L	0.001	103	1.27	<0.001
Trichloroethene	mg/L	0.001	105	1.89	<0.001
Tetrachloroethene	mg/L	0.001	106	1.68	<0.001
Benzene	mg/L	0.001	105	1.502	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

0576

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____

Public Water System Name Hobbs Hills

Public Water System Type (check one):

☐ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;

Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____

Laboratory Sample Number 16698

Sample Location (be specific): _____

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date ____/____/____

Laboratory Cont Dr. J.S. Flowers

Resample Requested? (che ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;

Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name

Dr. Jefferson S. Flowers

Title

Technical Director

Laboratory

Flowers Chemical Laboratories, Inc.

Date

5/1/91

Mail Results to the

Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PSWA.01

Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16698	.00002	<.000005	EPA504.1	.000005	4/30/91
2969	Para-dichlorobenzene	16698	.075	<0.001	EPA502.2	0.001	4/25/91
2976	Vinyl chloride	16698	0.001	<0.001	EPA502.2	0.001	4/25/91
2977	1,1-dichloroethene	16698	0.007	<0.001	EPA502.2	0.001	4/25/91
2980	1,2-dichloroethane	16698	0.003	<0.001	EPA502.2	0.001	4/25/91
2981	1,1,1-trichloroethane	16698	0.2	<0.001	EPA502.2	0.001	4/25/91
2982	Carbon tetrachloride	16698	0.003	<0.001	EPA502.2	0.001	4/25/91
2984	Trichloroethene	16698	0.003	<0.001	EPA502.2	0.001	4/25/91
2987	Tetrachloroethene	16698	0.003	<0.001	EPA502.2	0.001	4/25/91
2990	Benzene	16698	0.001	<0.001	EPA502.2	0.001	4/25/91

Comments:

PDER	Lab#	ES0010
FENRS	Lab#	85130
NOCEIGN	Lab#	290
SCNNEC	Lab#	00010

**ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-850**

[illegible]

(12) SAMPLE INFORMATION; SAMPLE DATE: MONTH _____ DATE _____ YEAR _____
 SAMPLE TYPE (check all applicable); - () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 () raw, () well, () resample _____, () special _____
 SAMPLER'S NAME: _____ TITLE: _____ PHONE: _____
 SAMPLER'S SIGNATURE: _____
 NOTES: _____

(1) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trihalomethane; Volatile Organic ☒;
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgable;
Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable;

04) Laboratory Number	#1	#5) Chem Sample Identification	Date	Time
16698	#2	Hobby H-115	4-14-91	
	#3	Pelamis Mobile Homes	4-14-91	
	#4	Presoak Island	4-18-91	14:45
	#5			
	#6			
	#7			
	#8			
	#9			
	#10			
06) Collector's Signature:	<i>Schmitt - H-115/H-115</i>			
07) Transporter's Signature:	<i>Schmitt - H-115</i>			
09) Lab Acceptance By:	<i>Manning - Sediment</i>			

OVER FOR INSTRUCTIONS FOR COMPLETION



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

August 14, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re; Lake County - PW
Carlton Village PWS ID #3350152
Morningview PWS ID #3350852
East Lake Homes PWS ID #3350322
Friendly Center PWS ID #3350426
→ Hobby Hills PWS ID #3350544
Palms Mobile Homes PWS ID #3350981
Picciola Island PWS ID #3351009

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis third quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Don B. Corder

Don Corder
General Supervisor

DC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Serving the customers of the Citrus Springs, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

CHEMICAL
LABORATORIES
INCORPORATED

Received From:
SSU Serv/LANCE
1000 Color Place
Apopka, FL 32703

Date Reported: Aug 7 1991
PO Number: 23256
PO Number SSU Serv.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE
Date Received:

Jul 13 1991

Lab Number : 17420

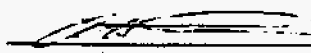
REPORT OF ANALYSIS

Hobby H/16

17420					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	98.2	.762	<0.000005
Para-dichlorobenzene	mg/L	0.001	93.8	3.03	<0.001
Vinyl chloride	mg/L	0.001	105	1.51	<0.001
1,1-dichloroethene	mg/L	0.001	105	1.51	<0.001
1,2-dichloroethane	mg/L	0.001	99.3	4.74	<0.001
1,1,1-trichloroethane	mg/L	0.001	101	2.84	<0.001
Carbon tetrachloride	mg/L	0.001	99.7	3.23	<0.001
Trichloroethene	mg/L	0.001	103	.830	<0.001
Tetrachloroethene	mg/L	0.001	101	1.21	<0.001
Benzene	mg/L	0.001	96.6	.971	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Andrew Harrison
Laboratory Manager

Page 1 of 1

Jeffrey L. Flowers, Ph.D.
Jeffrey L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
TEL: (407) 339-5084
FAX: (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350944
Public Water System Name: Hobby Hills
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17420
Sample Location (be specific): #1 & #2 wells
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special

Sampler Name, Title Phone: Lance Shreffler

ANALYSIS INFORMATION

Extraction Date: 1/1
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: [Signature]

Name: Andrew B. Harrison Mail Results to the
Title: Laboratory Manager Appropriate DER or ACPHU Office:
Laboratory: Flowers Chemical Laboratories, Inc.
Date: 8/7/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17420	.00002	<.000005	EPA504.1	.000005	8/5/91
2969	Para-dichlorobenzene	17420	.075	<0.001	EPA502.2	0.001	8/2/91
2976	Vinyl chloride	17420	0.001	<0.001	EPA502.2	0.001	8/2/91
2977	1,1-dichloroethene	17420	0.007	<0.001	EPA502.2	0.001	8/2/91
2980	1,2-dichloroethane	17420	0.003	<0.001	EPA502.2	0.001	8/2/91
2981	1,1,1-trichloroethane	17420	0.2	<0.001	EPA502.2	0.001	8/2/91
2982	Carbon tetrachloride	17420	0.003	<0.001	EPA502.2	0.001	8/2/91
2984	Trichloroethene	17420	0.003	<0.001	EPA502.2	0.001	8/2/91
2987	Tetrachloroethene	17420	0.003	<0.001	EPA502.2	0.001	8/2/91
2990	Benzene	17420	0.001	<0.001	EPA502.2	0.001	8/2/91

Comments:

FOIA	Lab	ED010
FOI#2	Lab	ED020
FOI#100	Lab	ED030
FOI#101	Lab	ED040

**ANALYTICAL & CONSULTING CHEMISTS
CHARTER OF CUSTODY RECORD
DRINKING WATER 17-190**

Attn: Dan Cuccia

(1) Client SSU Services	(2) Address	(3) Phone
(4) Public Drinking Water ID #	(5) Public Water System Type	(6) Public Water System Name:
(7) Project # 23256	(8) Community () Non-Community () Special Non-Community	

		Preservative		Plastic Containers					Glass Containers					NOTES:		
		HClO ₂	ZnOAc/NH ₄ OH	60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	140ml	250ml	500ml	1L		2L	4L
76																Turn Around Time: 10 Working Days : _____ 8 Working Days : _____ 3 Working Days : _____ 1 Working Day : _____ Other : _____

5 wells
PLZ Complete

(1) KM Relinquished:	(1) Date	(1) KM Received	(1) Date
	(1) Time		(1) Time

2) SAMPLE INFORMATION; SAMPLE DATE: MONTH _____ DATE _____ YEAR _____
 SAMPLE TYPE (check all applicable); () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 () raw, () well, () resample _____, () special _____
 SAMPLER'S NAME: _____ TITLE: _____ PHONE: _____
 SAMPLER'S SIGNATURE: _____
 NOTES: _____ \$58 _____ \$59

NOTES

VOA → Hobby Hills⁵⁵⁸ Palm: Mobile Humes,
1 564
Puciola Island 102

Parameter Group(s) Analyzed: Turbidity; Inorganic; Micromeritics; Volatile Organic;
 Inorganic Chemicals; Secondary Chemicals; Radiological; Unregulated Organic Pesticide;
 Unregulated Inorganic Pesticide; Unregulated Base Flavors Extractable; Unregulated Acid Extractable;

h) Laboratory Number

17420

15) Next Sample Identifiers

第 1
 第 2
 第 3
 第 4
 第 5
 第 6
 第 7
 第 8
 第 9
 第 10

4. Collector's Signature:

07/Transporters Signature:

09/Lab Acceptance Of:

Date _____

7-31-91

1-31-91

7/3/91

Info

15:45

15145

7145



**SSU
SERVICES**

October 28, 1991

General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Lake County PW
Hobby Hills PWS ID #3350544
Palms Mobile Homes PWS ID #3350981
Picciola Island PWS ID #3351009

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis, ⁴third quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Serving the customers of the Citrus Springs, Orlzone, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Oct21 1991

PO Number: L114552
PO Number Hobby Hills, e
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 558,559,564

Date Received:

Oct16 1991

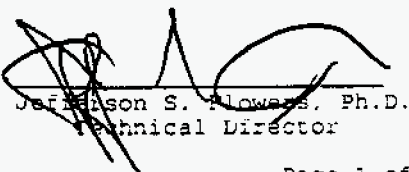
Lab Number : 18036

REPORT OF ANALYSIS

					18036
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	111	2.25	<0.000005
Para-dichlorobenzene	mg/L	0.001	93.5	1.54	<0.001
Vinyl chloride	mg/L	0.001	107	1.94	<0.001
1,1-dichloroethene	mg/L	0.001	107	1.94	<0.001
1,2-dichloroethane	mg/L	0.001	106	1.35	<0.001
1,1,1-trichloroethane	mg/L	0.001	108	2.17	<0.001
Carbon tetrachloride	mg/L	0.001	106	1.68	<0.001
Trichloroethene	mg/L	0.001	105	.894	<0.001
Tetrachloroethene	mg/L	0.001	103	2.58	<0.001
Benzene	mg/L	0.001	105	1.16	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 359-5084
FAX 407 296-2110

0586

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____

Public Water System Name: Hobby Hills

Public Water System Type (check one):

☐ Common ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity____; Inorganic____; Trihalomethane____;

Volatile Organic____; Organic Chemical____; Secondary Chemical____; Radiological____;

Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;

Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;

Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____

Laboratory Sample Number: 18036

Sample Location (be specific): _____

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: ____/____/____

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity____; Inorganic____; Trihalomethane____;

Volatile Organic____; Organic Chemical____; Secondary Chemical____; Radiological____;

Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;

Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 10/19/91

DER /ACPHU Reviewing Official: _____

Mail Results to the
Appropriate DER or ACPHU Office: _____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18036	.00002	<.000005	EPA504.1	.000005	10/17/91
2969	Para-dichlorobenzene	18036	.075	<0.001	EPA502.2	0.001	10/17/91
2976	Vinyl chloride	18036	0.001	<0.001	EPA502.2	0.001	10/17/91
2977	1,1-dichloroethene	18036	0.007	<0.001	EPA502.2	0.001	10/17/91
2980	1,2-dichloroethane	18036	0.003	<0.001	EPA502.2	0.001	10/17/91
2981	1,1,1-trichloroethane	18036	0.2	<0.001	EPA502.2	0.001	10/17/91
2982	Carbon tetrachloride	18036	0.003	<0.001	EPA502.2	0.001	10/17/91
2984	Trichloroethene	18036	0.003	<0.001	EPA502.2	0.001	10/17/91
2987	Tetrachloroethene	18036	0.003	<0.001	EPA502.2	0.001	10/17/91
2990	Benzene	18036	0.001	<0.001	EPA502.2	0.001	10/17/91

Comments:



CHEMICAL
LABORATORY
INCORPORATED

PCR Lab 880018
PCMR Lab 88128
NCSHWA Lab 284
SCHEC Lab 88018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-330

ATTN: DON CORDER

(1) Client <u>SSU</u>		(2) Address <u>1000 COLOR PLACE</u> <u>APOPKA, FL. 32703</u>		(3) Phone <u>880-0058</u>																																																																																																																																																																																																												
(4) Public Drinking Water ID #		(5) Public Water System Name:																																																																																																																																																																																																														
(6) Project #		(8) Public Water System Type																																																																																																																																																																																																														
(7) PWS <u>L114552</u>		☒ Community ☐ Non-Community ☐ Special Non-Community																																																																																																																																																																																																														
<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Preservative</th> <th colspan="5">Plastic Containers</th> <th colspan="5">Glass Containers</th> <th rowspan="2">NOTE:</th> </tr> <tr> <th>1000</th> <th>2000</th> <th>60ml</th> <th>125ml</th> <th>250ml</th> <th>500ml</th> <th>1L</th> <th>Wahl Pac Bag</th> <th>40ml</th> <th>250ml</th> <th>500ml</th> <th>1L</th> <th>2L</th> <th>4L</th> </tr> </thead> <tbody> <tr> <td>(16) <u>15</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Preservative		Plastic Containers					Glass Containers					NOTE:	1000	2000	60ml	125ml	250ml	500ml	1L	Wahl Pac Bag	40ml	250ml	500ml	1L	2L	4L	(16) <u>15</u>																																																																																																																																																																															
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(10) Parameter Group(s) Analyzed: Turbidity; Inorganic; Total Dissolved Solids; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable																																																																																																																																																																																																																

(12) Laboratory Number

(11) Client Sample Identification

(12) Laboratory Number	(11) Client Sample Identification
<u>18036</u>	#1 <u>#558 - W.P. 1 - 3</u>
	#2 <u>#558 - W.P. 2 - 3</u>
	#3 <u>#558 - W.P. 1 - 3</u>
	#4 <u>#558 - W.P. 1 - 3</u>
	#5 <u>#558 - W.P. 2 - 3</u>
	#6
	#7
	#8
	#9
	#10

(13) Collector's Signature:

(14) Transporter's Signature:

(15) Lab Acceptance By:

<u>Don Corder</u>	Date <u>10/16/91</u>	Time <u>3:44</u>
<u>[Signature]</u>	Date <u>10/16/91</u>	
<u>[Signature]</u>	Date <u>10/16/91</u>	

Over for numbered instructions.

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

I.D. NO. 13003
REC'D FOR USE ONLY
DEC 12 1 18 PM '91
ST. D. F.A. ANAL.

12/13

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Hobby Hills #558 SYSTEM I.D. NO: 3350544 SYSTEM PHONE #: 800-432-4501
ADDRESS: US Hwy 27 COUNTY: Lake Co. DISTRICT: Central
COLLECTOR: John Hammers COLLECTOR PHONE #: 800-432-4501
SAMPLE SITE (Locality or Subdivision): Hobby Hills
DATE AND TIME COLLECTED: 12-12-91 9:15 am
TYPE OF SUPPLY(Circle one): ☒ Community water system ☐ Noncommunity water system ☐ Nontransient - noncommunity water system
☐ Private well ☐ Swimming pool ☐ Bottled water ☐ Other public water system
TYPE OF SAMPLE(Circle one): ☒ Compliance ☐ Repeat ☐ Replacement ☐ Main clearance ☐ Well survey ☐ Other
(Check Box) (Check Box) (Check Box) (Check Box) (Check Box) (Specify)
☐ Distribution ☐ TWC or C ☐ Turbid
☐ Raw ☐ Turbid
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	ANALYSIS METHOD: ☒ MP ☐ NTP	MEMO-MUG	PA		
				SAMPLE NUMBER	COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
W	Well #2	0.0		053788	M	A	A	A
T	Tank	1.2		053789		A		
R-1	37408 Genius	1.0		053790		A		
R-2	37439 Hobby	0.9		053791		A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TWC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU Services
1000 Color Place
Naples, Fla
32703

- () SATISFACTORY
() INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES

REVIEWING OFFICIAL: JA

TITLE: DEL

HHS Form 445, Jan 81 (Obsolete)
Additional copies may be used
(Stock Number: 8146-400-0011-2)

Holiday Haven - 573

Lake County (SSU)

Water

- 1992 FPSC Filing -

Holiday Haven

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	*
Organic	*
Volatile Organic Chemicals	*
	*
	*
	*
Turbidity	*
Microbiological	12/91
Radionuclide	*
Secondary Contaminants	*
Unregulated Contaminants	*

* Water is purchased from Astor-Astor Park Water Association for Holiday Haven.



AQUA PURE
WATER & SEWAGE SERVICE, INC.
P. O. Box 621 • Silver Springs, Florida 32688

Telephone
(904) 625-2822
Fax (904) 625-6638

LAB USE ONLY

DATE COLLECTED 12-11-91		TIME 8:00	COUNTY LAKE	CONNECTION R. Boyd	TIME TESTED 8:30 AM		DATE TESTED 12-11-91					
TYPE OF SUPPLY	CITY, TOWN	S/D	TRAILER	EST.	SCHOOL	BOTTLED	MOTEL	REST	DARY	POOL	HOME	OTHER
NAME OF BLDG OR LOCALITY BEING SAMPLED HOLIDAY HAVEN					NAME OR LOCATION OF WATER PLANT 445-A Astor Park							
TYPE OF SAMPLE	ROUTINE	RE-CHECK	MAIN CLEANANCE	WELL SURVEY	OTHER							
LAB	AQUA PURE WATER LAB #83108					SYSTEM ID. NO. 3644127 # not assigned						

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. Services
Southern States Utilities, Inc.
P.O. Box 11179
Ocala, Fl. 32673

PHONE #
Purchased water from City of Astor

LAB NO.	COLL. NO.	SAMPLING POINT	APPEAR- ANCE	CI TEST	PH	TEMP 100 M.L.	SP 100 M.L.	TSS COLIFORM	CONCENTRATION E. COLI	RECAL
4128	1	55705 Keith St	Clear	0.8	7.4		A			
4129	2	24449 Pearl St	Clear	0.8	7.4		A			

WATER BACTERIOLOGY

INTERPRETATIONS - RECOMMENDATIONS

AT TIME SAMPLE TAKEN:

- ☒ SATISFACTORY
☐ UNSATISFACTORY
☐

☐ RE-SUBMIT

ANALYST: _____

BY NAME **CC**

TITLE **DER**

Holiday Heights - 121

Orange County (SSU)

Water

- 1992 FPSC Filing -

Holiday Heights

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	6/91
Organic	6/91
Volatile Organic Chemicals	3/91
	6/91
	9/91
	12/91
Turbidity	6/91
Microbiological	12/91
Radionuclide	6/91
Secondary Contaminants	6/91
Unregulated Contaminants	6/91



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 29, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803

Re: *Heights* —
Holiday Haven PWS ID #348D547
Harmony Homes PWS ID #3590497
Lake Harriet PWS ID #3590699
Lake Brantley PWS ID #3590685

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis, Unregulated Organic Purgeables, Unregulated Organic Pesticides, Unregulated Base Neutral Extracts and Unregulated Acid Extractables for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Mar 26 1991

PO Number: 891045

PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHCR Lab# : 96019

For: ~~Dechlorination Study~~ Holiday Home

Date Received:

Mar 4 1991

Lab Number : 16408

REPORT OF ANALYSIS

16408				
Parameter	Unit	Method	%ACC	%PRC
		Detection		
		Limit		
Ethylene dibromide	mg/L	0.000005	115	2.45
Para-dichlorobenzene	mg/L	0.001	118	2.66
Vinyl chloride	mg/L	0.001	107	2.56
1,1-dichloroethene	mg/L	0.001	107	2.56
1,2-dichloroethane	mg/L	0.001	113	2.98
1,1,1-trichloroethane	mg/L	0.001	104	2.74
Carbon tetrachloride	mg/L	0.001	104	2.13
Trichloroethene	mg/L	0.001	113	3.083
Tetrachloroethene	mg/L	0.001	113	3.592
Benzene	mg/L	0.001	99.2	3.116
Chloromethane	mg/L	0.001	109	3.669
Dichlorodifluorometh	mg/L	0.001	104	2.13
Bromomethane	mg/L	0.001	109	3.669
Chloroethane	mg/L	0.001	107	2.56
Trichlorofluorometha	mg/L	0.001	104	2.13
trans-1,3-dichloroprop	mg/L	0.001	115	3.22
cis-1,3-dichloroprop	mg/L	0.001	113	3.10
Methyl-tert-butyleth	mg/L	0.001	108	3.005
cis-1,2-dichloroeth	mg/L	0.001	113	3.10
Dibromomethane	mg/L	0.001	109	3.669
1,1-dichloropropene	mg/L	0.001	109	4.17
1,3-dichloropropene	mg/L	0.001	115	3.22
1,2,3-trichloropropa	mg/L	0.001	111	3.868
2,2-dichloropropene	mg/L	0.001	107	2.56
1,2-dibromo-3-chloro	mg/L	0.001	111	3.868
Chloroform	mg/L	0.001	108	3.04

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

John G. Myers, Ph.D.
Technical Director

Jeffrey L. Flowers, Ph.D.
Jeffrey L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 229-5984
FAX 407 229-5984

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Mar26 1991

PD Number: B91045

PD Number
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Gateway/FL/Conway/Holiday Hgts.

Date Received:

Mar 4 1991

Lab Number : 16408

REPORT OF ANALYSIS

Parameter	Unit	Method	MAAD	16408
		Detection		
		Limit		
Bromoform	mg/L	0.001	117 7.51	<0.001
Bromodichloromethane	mg/L	0.001	120 7.84	<0.001
Dibromochloromethane	mg/L	0.001	117 7.51	<0.001
Chloroform	mg/L	0.001	104 6.32	<0.001
Methylene chloride	mg/L	0.001	107 6.69	<0.001
trichlorobenzene	mg/L	0.001	110 7.18	<0.001
o-chlorotoluene	mg/L	0.001	99.1 6.22	<0.001
m-dichlorobenzene	mg/L	0.001	117 7.17	<0.001
p-dichlorobenzene	mg/L	0.001	109 6.27	<0.001
1,1-dichloroethane	mg/L	0.001	103 6.39	<0.001
trans-1,2-dichloroeth	mg/L	0.001	103 6.17	<0.001
1,2-dichloroethane	mg/L	0.001	103 6.52	<0.001
1,1,2-trichloroethane	mg/L	0.001	113 6.16	<0.001
1,1,1,2-tetrachloride	mg/L	0.001	114 6.32	<0.001
1,1,1,2-tetrachloride	mg/L	0.001	113 6.16	<0.001
Chlorobenzene	mg/L	0.001	105 6.33	<0.001
Toluene	mg/L	0.001	99.1 6.22	<0.001
Ethylbenzene	mg/L	0.001	99.1 6.22	<0.001
Bromobenzene	mg/L	0.001	105 6.52	<0.001
m-xylene	mg/L	0.001	104 6.33	<0.001
Styrene	mg/L	0.001	99.1 6.22	<0.001
o-xylene	mg/L	0.001	104 6.33	<0.001
Dialdon	mg/L	0.000001	94.3 6.87	<0.000001
Quart. Dycate.	mg/L	0.002	101 6.12	<0.002
Simazine	mg/L	0.007	99.1 6.44	<0.007
Picloram	mg/L	0.00007	103 6.27	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL GA and EPA approved methodology.

William S. Flowers, P.E.
Technical Director

William S. Flowers, P.E.
William S. Flowers, P.E.
481 NEWBURYPORT
P.O. BOX 150-597
ALACHUA SPRINGS
FLORIDA 32715-0597
315 407-1225/5984
FAX 407-1225-1117

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Abopka, FL 32703

Date Reported: Mar 26 1991

PO Number: B91045

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Datwayler/Lk.Conway/Holiday Hgnts.

Date Received:

Mar 4 1991

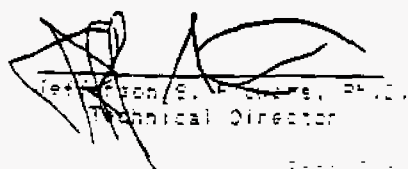
Lab Number : 16408

REPORT OF ANALYSIS

					16408
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	118	12.0	<0.00001
Aldicarb sulfoxide	mg/L	0.002	82.9	1.000	<0.002
Aldicarb sulfone	mg/L	0.002	100	15.1	<0.002
Metolachlor	mg/L	0.0005	104	3.42	<0.0005
Carbofuran	mg/L	0.001	100	5.84	<0.001
Aldicarb	mg/L	0.002	92.0	5.71	<0.002
Atrazine	mg/L	0.002	101	1.01	<0.002
Alachlor (Lasso)	mg/L	0.0002	99.5	8.93	<0.0002
Heptachlor	mg/L	0.000005	99.3	2.71	<0.000005
Aldrin	mg/L	0.00007	110	1.02	<0.00007
Dieldrin	mg/L	0.00001	91.5	1.773	<0.00001
Dicamba	mg/L	0.00001	101	5.24	<0.00001
Chloroane	mg/L	0.00001	100	3.39	<0.00001
Pentachlorophenol	mg/L	0.005	104	2.99	<0.005
Hexachlorocyclopenta	mg/L	0.001	104	7.52	<0.001
Dioxin	mg/L	0.00001	97.9	2.61	<0.00001
Isophorone	mg/L	0.001	99.8	19.0	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.0	1.857	<0.001
Dimethylphthalate	mg/L	0.001	97.2	1.582	<0.001
Diethylphthalate	mg/L	0.001	97.4	11.9	<0.001
Di-n-butylphthalate	mg/L	0.001	101	9.9	<0.001
Butyl benzyl phthala	mg/L	0.001	96.4	3.01	<0.001
Bis(2-ethylhexyl)ph	mg/L	0.001	101	4.32	<0.001
1,2,4-trichlorobenze	mg/L	0.001	97.4	13.1	<0.001
PCB_1016	mg/L	0.0001	97.7	2.75	<0.0001
PCB_1221	mg/L	0.0001	99.0	2.00	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jeffrey S. Flowers, Ph.D.
Technical Director

Jeffrey S. Flowers, Ph.D.
Jeffrey S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32715-6597
813 307 130-5984
fax 307 130-4110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Mar26 1991

PQ Number: 891045

PQ Number
FDHRS Lab# : 83139
FDER Lab# : E83013
NCDEHNR Lab# : 296
300HEC Lab# : 96019

For: ~~Seawater~~ ~~San Jose~~ Holiday Heights

Date Received:

Mar 4 1991

Lab Number : 16408

REPORT OF ANALYSIS

		16408			
Parameter	Unit	Method	WACC	KPRC	
		Detection			
		Limit			
PCB_1232	mg/L	0.0001	102	2.26	<0.0001
PCB_1242	mg/L	0.0001	102	2.08	<0.0001
PCB_1248	mg/L	0.0001	102	2.01	<0.0001
PCB_1254	mg/L	0.0001	102	1.76	<0.0001
PCB_1260	mg/L	0.0001	102	1.55	<0.0001
Dibutyltin dilaurate	mg/L	0.001	102	1.25	<0.001
2-chlorophenol	mg/L	0.001	102	1.32	<0.001
3-methyl-4-chlorinitop	mc/L	0.001	102	0.39	<0.001
Phenol	mg/L	0.001	102	1.30	<0.001
2,4-dichlorobenzene	mg/L	0.001	102	1.70	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 50-597
ALLAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 339-5984

0600

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3480547
Public Water System Name: Holiday Heights
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 16408
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 3/17/91
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check one) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 3/26/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16408	.00002	<.000005	EPA504.1	.000005	3/22/91
2969	Para-dichlorobenzene	16408	.075	<0.001	EPA502.2	0.001	3/17/91
2976	Vinyl chloride	16408	0.001	<0.001	EPA502.2	0.001	3/17/91
2977	1,1-dichloroethene	16408	0.007	<0.001	EPA502.2	0.001	3/17/91
2980	1,2-dichloroethane	16408	0.003	<0.001	EPA502.2	0.001	3/17/91
2981	1,1,1-trichloroethane	16408	0.2	<0.001	EPA502.2	0.001	3/17/91
2982	Carbon tetrachloride	16408	0.003	<0.001	EPA502.2	0.001	3/17/91
2984	Trichloroethene	16408	0.003	<0.001	EPA502.2	0.001	3/17/91
2987	Tetrachloroethene	16408	0.003	<0.001	EPA502.2	0.001	3/17/91
2990	Benzene	16408	0.001	<0.001	EPA502.2	0.001	3/17/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2212	Dichlorodifluoromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2214	Bromomethane	16408		<0.001	EPA502.2	0.001	3/17/91
2216	Chloroethane	16408		<0.001	EPA502.2	0.001	3/17/91
2218	Trichlorofluoromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2224	trans-1,3.-dichloropropene	16408		<0.001	EPA502.2	0.001	3/17/91
2228	cis-1,3-dichloropropene	16408		<0.001	EPA502.2	0.001	3/17/91
2251	Methyl-tert-butylether	16408		<0.001	EPA502.2	0.001	3/17/91
2380	cis-1,2-dichloroethene	16408		<0.001	EPA502.2	0.001	3/17/91
2408	Dibromomethane	16408		<0.001	EPA502.2	0.001	3/17/91
2410	1,1-dichloropropene	16408		<0.001	EPA502.2	0.001	3/17/91
2412	1,3-dichloropropane	16408		<0.001	EPA502.2	0.001	3/17/91
2414	1,2,3-trichloropropane	16408		<0.001	EPA502.2	0.001	3/17/91
2416	2,2-dichloropropane	16408		<0.001	EPA502.2	0.001	3/17/91
2931	1,2-dibromo-3-chloropropane	16408		<0.001	EPA502.2	0.001	3/17/91
2941	Chloroform	16408		<0.001	EPA502.2	0.001	3/17/91
2942	Bromoform	16408		<0.001	EPA502.2	0.001	3/17/91
2943	Bromodichloromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2944	Dibromochloromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2962	p-xylene	16408		<0.001	EPA502.2	0.001	3/17/91
2964	Methylene chloride	16408		<0.001	EPA502.2	0.001	3/17/91
2965	o-chlorotoluene	16408		<0.001	EPA502.2	0.001	3/17/91
2966	p-chlorotoluene	16408		<0.001	EPA502.2	0.001	3/17/91
2967	m-dichlorobenzene	16408		<0.001	EPA502.2	0.001	3/17/91
2968	o-dichlorobenzene	16408		<0.001	EPA502.2	0.001	3/17/91
2978	1,1-dichloroethane	16408		<0.001	EPA502.2	0.001	3/17/91
2979	trans-1,2-dichloroethyl	16408		<0.001	EPA502.2	0.001	3/17/91
2983	1,2-dichloropropane	16408		<0.001	EPA502.2	0.001	3/17/91

2985	1,1,2-trichloroethane	16408	<0.001	EPA502.2	0.001	3/17/91
2986	1,1,1,2-tetrachloroethane	16408	<0.001	EPA502.2	0.001	3/17/91
2938	1,1,2,2-tetrachloroethane	16408	<0.001	EPA502.2	0.001	3/17/91
2989	Chlorobenzene	16408	<0.001	EPA502.2	0.001	3/17/91
2991	Toluene	16408	<0.001	EPA502.2	0.001	3/17/91
2992	Ethylbenzene	16408	<0.001	EPA502.2	0.001	3/17/91
2993	Bromobenzene	16408	<0.001	EPA502.2	0.001	3/17/91
2995	m-xylene	16408	<0.001	EPA502.2	0.001	3/17/91
2996	Styrene	16408	<0.001	EPA502.2	0.001	3/17/91
2997	o-xylene	16408	<0.001	EPA502.2	0.001	3/17/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16408		<.000001	EPA515	.000001	3/18/91
2036	Oxamyl (Vydate)	16408		<0.002	EPA531	0.002	3/14/91
2037	Simazine	16408		<0.007	EPA505	0.007	3/18/91
2040	Picloram	16408		<0.00007	EPA515	0.00007	3/18/91
2041	Dinoseb	16408		<0.00001	EPA515	0.00001	3/18/91
2043	Aldicarb sulfoxide	16408		<0.002	EPA531	0.002	3/14/91
2044	Aldicarb sulfone	16408		<0.002	EPA531	0.002	3/14/91
2045	Metolachlor	16408		<0.0005	EPA505	0.0005	3/18/91
2046	Carbofuran	16408		<0.001	EPA531	0.001	3/14/91
2047	Aldicarb	16408		<0.002	EPA531	0.002	3/14/91
2050	Atrazine	16408		<0.002	EPA505	0.002	3/18/91
2051	Alachlor (Lasso)	16408		<0.0002	EPA505	0.0002	3/18/91
2065	Heptachlor	16408		<.000005	EPA508	.000005	3/15/91
2356	Aldrin	16408		<0.00007	EPA508	0.00007	3/15/91
2364	Dieldrin	16408		<0.00001	EPA508	0.00001	3/15/91
2440	Dicamba	16408		<0.00001	EPA515	0.00001	3/15/91
2959	Chlordane	16408		<0.00001	EPA508	0.00001	3/15/91
9114	Pentachlorophenol	16408		<0.005	EPA515	0.005	3/15/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16408		<0.001	EPA508	0.001	3/15/91
2063	Dioxin	16408		<0.00001	EPA613	0.00001	3/15/91
2262	Isophorone	16408		<0.001	EPA609	0.001	3/22/91
2270	2,4-dinitrotoluene	16408		<0.001	EPA609	0.001	3/22/91
2282	Dimethylphthalate	16408		<0.001	EPA606	0.001	3/22/91
2284	Diethylphthalate	16408		<0.001	EPA606	0.001	3/22/91
2290	Di-n-butylphthalate	16408		<0.001	EPA606	0.001	3/22/91
2294	Butyl benzyl phthalate	16408		<0.001	EPA606	0.001	3/22/91

2298	Bis(2-ethylhexyl)phthal	16408	<0.001	EPA606	0.001	3/22/91
2378	1,2,4-trichlorobenzene	16408	<0.001	EPA612	0.001	3/22/91
2388	PCB-1016	16408	<0.0001	EPA505	0.0001	3/15/91
2390	PCB-1221	16408	<0.0001	EPA505	0.0001	3/15/91
2392	PCB-1232	16408	<0.0001	EPA505	0.0001	3/15/91
2394	PCB-1242	16408	<0.0001	EPA505	0.0001	3/15/91
2396	PCB-1248	16408	<0.0001	EPA505	0.0001	3/15/91
2398	PCB-1254	16408	<0.0001	EPA605	0.0001	3/15/91
2400	PCB-1260	16408	<0.0001	EPA505	0.0001	3/15/91
9089	Diethylphthalate	16408	<0.001	EPA606	0.001	3/22/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16408		<0.001	EPA604	0.001	3/22/91
9112	2-methyl-4,6-dinitrophenol	16408		<0.001	EPA604	0.001	3/22/91
9115	Phenol	16408		<0.001	EPA604	0.001	3/22/91
9116	2,4,6-trichlorophenol	16408		<0.001	EPA604	0.001	3/22/91

Comments:

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

Sum Sparks

CLIENT: SSU ADDRESS: 1000 Colon Place PHONE: 880-0058 x 168
Apopka, FL 32703

PROJECT NAME: B91045 REQUIRED: ☐ Urgent ☐ Routine DATE: _____

Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES:	
	HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)2/NaOH	NaOH/AsaAcid	60mL	125mL	250mL	500mL	1L	2L	Whit Pak Bag	40mL Vial	250mL	500mL	1L	2L		4L
8																				<u>4 w/ 168</u>
1														X						
																		X		

Kit Relinquished: 7/11 Date: _____ Time: _____ Kit Received: _____ Date: _____ Time: _____

Parameters: Proc Unseg

Laboratory Number: #105 Client Identification/Description: Notway 121
16408
#104 Bill. Denney
#121 Holiday Heights

Sample Collection: Bill. Denney Date: 3/3/91 Time: 11:00
 Transportation: Bill. Denney Date: 3/4/91
 Lab Acceptance: [Signature] Date: 3/4/91 Time: 1:40



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

July 2, 1990

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

Re: Holiday Heights Water Plant, Orange County, ID #3480547

Dear Ms. Carrasquillo:

Please find attached results for Primary Organics, Primary Inorganics, Secondarys, VOC's, Turbidity & Radiological Analysis for the above mentioned plant. Please enter this in your records.

Thank you for your cooperation.

Sincerely,

Don Corder
Area Supervisor
SOUTHERN STATES UTILITIES SERVICES, INC.

DC/jb

cc: Aaron Perlowich
Engineering
File

Encl: (as stated)



ORLANDO LABORATORIES

*File
Copy went to DER & Eng.*

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-06-053
Date Received: 06/06/90
Date Reported: 06/28/90
OLI Contact: E_HOBBS

Work ID: 3480547 Holiday Heights #121
Total Samples: 4

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Distrib.
02 Well
03 Trip Blank
04 Method Blank

TEST CODES and NAMES used on this report

PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS033 Radiological Analysis

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number EB3033

Respectfully Submitted
ORLANDO LABORATORIES, INC.

Eric Malarek
Acting
LABORATORY DIRECTOR

(407) 896-6645

Dedicated To Excellence

(800) 826-8320

Eric Malarek
Eric Malarek
QUALITY CONTROL

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 05/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-053

SAMPLE ID Distrib.
DATE COLLECTED 05/06/90 09:45:00
TEST NAME Turbidity Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS026

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100 Turbidity			<1.0	EPA 180.1	05/06/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-053

SAMPLE ID Distrib.
DATE COLLECTED 06/06/90 09:45:00
TEST NAME Organic Chemical Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	06/14/90
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	06/14/90
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	06/14/90
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	06/14/90
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	06/13/90
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	06/13/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-053

SAMPLE ID Distrib.
DATE COLLECTED 06/06/90 09:45:00
TEST NAME Inorganic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic	_____	_____	<0.010	EPA 206.2	0.010	06/12/90
1010 Barium	_____	_____	<0.100	EPA 200.7	0.100	06/11/90
1015 Cadmium	_____	_____	<0.005	EPA 213.2	0.005	06/11/90
1020 Chromium	_____	_____	<0.010	EPA 218.2	0.010	06/11/90
1025 Fluoride	_____	_____	.23	EPA 340.2	0.1	06/09/90
1030 Lead	_____	_____	<0.010	EPA 239.2	0.010	06/11/90
1035 Mercury	_____	_____	<0.0005	EPA 245.1	0.0005	06/11/90
1040 Nitrate (as N)	_____	_____	<.03	EPA 352.2	0.03	06/09/90
1045 Selenium	_____	_____	<0.005	EPA 270.2	0.005	06/10/90
1050 Silver	_____	_____	<0.010	EPA 272.2	0.010	06/10/90
1052 Sodium	_____	_____	7.30	EPA 200.7	0.001	06/11/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-053

SAMPLE ID Distrib.
DATE COLLECTED 06/06/90 09:45:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			NOT ANALYZED			
1017 Chloride			12	SM 407	1.0	06/08/90
1019 Carbonate CaCO ₃			NOT ANALYZED			
1021 Hydroxide CaCO ₃			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	06/11/90
1023 Bicarbonate CaCO ₃			NOT ANALYZED			
1025 Fluoride			0.23	EPA 340.2	0.1	06/09/90
1026 Bicarbonate HCO ₃			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			<0.100	EPA 200.7	0.100	06/11/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	06/11/90
1055 Sulfate			2.6	EPA 375.4	1.0	06/07/90
1095 Zinc			<0.050	EPA 200.7	0.050	06/11/90
1901 Carbon Dioxide			7.5	SM 406 C	1.0	06/26/90
1905 Color (color units)			<5	EPA 270.2	5 PCU	06/06/90
1915 Total Hardness			91.0	EPA 200.7	0.050	06/11/90
1917 NCH as CaCO ₃			NOT ANALYZED			
1920 Odor			2	EPA 140.1	1	06/07/90
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			7.55	EPA 150.1	N/A	06/06/90
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 06/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-053
Continued From Above

SAMPLE ID Distrib.
DATE COLLECTED 06/06/90 09:45:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			140	EPA 310.1	2.0	06/06/90
1930 TDS			150	EPA 160.1	1.0	06/11/90
1931 Phenolphthalein Alk.			<2.0	EPA 310.1	2.0	06/06/90
1996 Field Temp. (C)			NOT ANALYZED			
1997 Langlier Index pHs			7.7	CALC.	N/A	06/26/90
1998 Saturation Index			-0.17	CALC.	N/A	06/26/90
1999 Stability Index			7.9	CALC.	N/A	06/26/90
2909 Foaming Agents			<0.10	EPA 425.1	0.1	06/06/90
9996 Field DO			NOT ANALYZED			
9997 Field Chlorine			NOT ANALYZED			

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-053

SAMPLE ID Distrib.
DATE COLLECTED 06/06/90 09:45:00
TEST NAME Radiological Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Det. Lt. Used	Analysis Date
4002 Gross Alpha	<u> </u>	<u>1.1</u>	<u>EPA 900.0</u>	<u>0.5</u>	<u>06/15/90</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-053

SAMPLE ID Well
DATE COLLECTED 06/06/90 09:45:00
TEST NAME Volatile Organic Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PHS028

VOLATILE ORGANIC ANALYSIS
17-550.310 (2) (d)
(PHS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	06/08/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	06/07/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	06/07/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	06/07/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	06/07/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	06/07/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	06/07/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	06/07/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	06/07/90
2990 Benzene			0.0005 U	EPA 524	0.0005	06/07/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-053

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 04A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	06/08/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	06/07/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	06/07/90
2977 1,1-Dichloroethane			0.0005 U	EPA 524	0.0005	06/07/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	06/07/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	06/07/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	06/07/90
2984 Trichloroethane			0.0005 U	EPA 524	0.0005	06/07/90
2987 Tetrachloroethane			0.0005 U	EPA 524	0.0005	06/07/90
2990 Benzene			0.0005 U	EPA 524	0.0005	06/07/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-053

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 04A
MATRIX METHOD BLANK
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	<u>0.00010</u> U	<u>EPA 608</u>	<u>0.00010</u>	<u>06/14/90</u>
2010 Lindane	_____	_____	<u>0.00005</u> U	<u>EPA 608</u>	<u>0.00005</u>	<u>06/14/90</u>
2015 Methoxychlor	_____	_____	<u>0.00050</u> U	<u>EPA 608</u>	<u>0.00050</u>	<u>06/14/90</u>
2020 Toxaphene	_____	_____	<u>0.00100</u> U	<u>EPA 608</u>	<u>0.00100</u>	<u>06/14/90</u>
2105 2,4-D	_____	_____	<u>0.0020</u> U	<u>EPA 615</u>	<u>0.0020</u>	<u>06/13/90</u>
2110 2,4,5-TP (Silvex)	_____	_____	<u>0.0010</u> U	<u>EPA 615</u>	<u>0.0010</u>	<u>06/13/90</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/06/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-06-053

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

03A : NOTEST

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 06-15-1990

LAB SAMPLE # : 9006053-01A
 ANALYSIS DATE : 06/14/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	0	109	109	111	111	2
HEPTACHLOR	100	0	126	126	128	128	7
ALDRIN	100	0	89	89	107	107	16
DIELDRIN	100	0	94	94	128	128	23 *
ENDRIN	100	0	106	106	113	113	6
4,4-DDT	100	0	111	111	122	122	9

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	56	123	15	46	127	50
HEPTACHLOR	40	131	20	35	130	31
ALDRIN	40	120	22	34	132	43
DIELDRIN	52	126	16	31	134	38
ENDRIN	56	121	21	42	139	45
4,4-DDT	36	127	27	23	134	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 06-15-1990

LAB SAMPLE # : 9006052-01A
 ANALYSIS DATE : 06/14/90

COMPOUND	AMOUNT SPiked	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSDA RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	4	109	109	111	111	1
HEPTACHLOR	100	4	115	108	113	113	1
ALDRIN	100	4	89	89	107	107	18
DIELDRIN	100	4	94	94	113	113	30
ENDRIN	100	4	106	106	113	113	6
4,4-DDT	100	4	111	111	125	125	3

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	58	123	15	46	107	50
HEPTACHLOR	49	131	24	35	139	31
ALDRIN	40	120	22	34	130	43
DIELDRIN	52	126	18	31	134	38
ENDRIN	58	121	21	40	139	45
4,4-DDT	51	127	27	23	134	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 06-13-1990

LAB SAMPLE # : 9006080-01a
 ANALYSIS DATE : 06/13/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSDA RECOVERY	RFC
2,4,5-TP (silvex)	100	8	42	42 *	55	55	27

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
2,4,5-TP (silvex)	53	132	30	50	130	35

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 06-10-1990

LAB SAMPLE # : 9006029-5
ANALYSIS DATE : 6/7/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
1,1-dichloroethene	50	0	44	88	41	82	7
trichloroethene	50	0	57	114	57	114	0
benzene	50	0	42	84	40	80	5
toluene	50	0	39	78	39	78	0
chlorobenzene	50	0	48	96	48	96	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	61	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 06-07-1990

LAB SAMPLE # : 9006043-01A
ANALYSIS DATE : 06/07/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	66	66	66	66	0
COMMENTS :							

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	39	90	20	35	90	20

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-06-053
Page: 17

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Mercury	<1	96	06/07/90	EM
Selenium	<1	101	06/10/90	CFG
Silver	<1	98	06/10/90	CFG
Lead	<1	93	06/11/90	JSC
Barium	<1	103	06/11/90	BB
Cadmium	<1	108	06/11/90	BB
Chromium	<1	104	06/11/90	BB
Sodium	<1	104	06/11/90	BB
Copper	<1	101	06/11/90	BB
Iron	<1	103	06/11/90	BB
Manganese	<1	98	06/11/90	BB
Zinc	<1	106	06/11/90	BB
Calcium	<1	101	06/11/90	BB
Arsenic	<1	105	06/12/90	CFG
Gross Alpha	3.2 *	98	06/15/90	JAB
Odor	<1	NA	06/07/90	KM
MBAS	<1	95	06/06/90	RJW
Color	<1	NA	06/06/90	KM
Sulfate	6	90	06/07/90	RJW
Turbidity	<1	NA	06/06/90	KM
Chloride	<1	108	06/08/90	DRB
pH	<1	NA	06/06/90	KM
Total Alkalinity	<1	94	06/06/90	KM
Nitrite Nitrogen	<1	89	06/08/90	DRB
Nitrate Nitrogen	<1	95	06/09/90	DRB
Fluoride	*	105	06/09/90	DRB
TDS	2	94	06/11/90	KM

* The duplicate difference for Gross Alpha is reported as actual difference rather than percent difference as specified.

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: _____
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: TURB, VOL. ORG, ORGANIC CHEM, INORGANIC, SECONDARY, RADIOLOGICAL
Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): 6/16/90
Laboratory Sample Number: 90-06-053
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special _____
Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 504 → 6/6/90 608 → 6/13/90
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
Name: Eric Malarek
Title: Quality Control Officer
Laboratory: Orlando Laboratories, Inc.
Date: 6-29-90

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

No 05711

Page 1 of 1

INVOICE TO (COMPANY AND INDIVIDUAL) SSU Services		ADDRESS (CITY, STATE, ZIP) 1000 Color Place - Apopka, FL 32903		CONTACT PERSON/PHONE # INVOICE Don Conder - 880-0458		OLI WORK ORDER # (LAB USE) 9006053	
ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) Same		ADDRESS (CITY, STATE, ZIP)		CONTACT PERSON/PHONE # REPORT		RE NUMBER (LAB USE) 1311	
OPTIONAL ADDITIONAL REPORTS SENT TO: Don Conder		ADDRESS (CITY, STATE, ZIP)		17		18	
CLIENT PROJECT NAME Holiday Heights # 121		CLIENT PROJECT # 3480547		19		20	
SAMPLE IDENTIFICATION		DATE/TIME		COMP		GRAB	
SAMPLE DESCRIPTION		WATER		SOIL		OTHER	
NUMBER OF CONTAINERS		13		14		15	
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860		861		862			



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

June 3, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Orange County PW
Holiday Heights PWS ID #3480547
Daetwyler PWS ID #3480265
Lake Conway PWS ID #3480699

Dear Ms. Carrasquillo,

Please find enclosed results for Volatile Organic Analysis second quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder
Division Supervisor

DBC/jlm

cc: Charles Sweat
Clara Dozier
File

FLOWERS



**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Jun11 1991

PO Number: 891045

PO Number SSU

FDHRS Lab# : 82139

FDER Lab# : 883019

NCDEHNR Lab# : 295

SCDHED Lab# : 96019

For: COMF. SAMPLE

Date Received:

Jun 6 1991

Lab Number : 17109

REPORT OF ANALYSIS

Parameter	Unit	Method	MRCD	MPRO	17109
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	95.4	9.91	0.000005
Para-dichlorobenzene	mg/L	0.001	104	1.597	0.001
Vinyl chloride	mg/L	0.001	112	7.56	0.001
1,1-Dichloroethene	mg/L	0.001	112	7.56	0.001
1,1-Dichloroethane	mg/L	0.001	107	1.89	0.001
1,1,1-Trichloroethane	mg/L	0.001	110	1.681	0.001
Isopropyl tetrachloride	mg/L	0.001	110	1.06	0.001
Trichloroethene	mg/L	0.001	111	1.709	0.001
Tetrachloroethene	mg/L	0.001	107	1.740	0.001
Benzene	mg/L	0.001	105	1.258	0.001

*Holiday Heights
Deshawles
John Conway*

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL DA and EPA approved methods apply.

[Signature]
Andrew Harrison
Laboratory Manager

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 1407: 339-5986
FAX 1407: 250-6110

0627

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17109	.00002	<.000005	EPA504.1	.000005	6/7/91
2969	Para-dichlorobenzene	17109	.075	<0.001	EPA502.2	0.001	6/7/91
2976	Vinyl chloride	17109	0.001	<0.001	EPA502.2	0.001	6/7/91
2977	1,1-dichloroethene	17109	0.007	<0.001	EPA502.2	0.001	6/7/91
2980	1,2-dichloroethane	17109	0.003	<0.001	EPA502.2	0.001	6/7/91
2981	1,1,1-trichloroethane	17109	0.2	<0.001	EPA502.2	0.001	6/7/91
2982	Carbon tetrachloride	17109	0.003	<0.001	EPA502.2	0.001	6/7/91
2984	Trichloroethene	17109	0.003	<0.001	EPA502.2	0.001	6/7/91
2987	Tetrachloroethene	17109	0.003	<0.001	EPA502.2	0.001	6/7/91
2990	Benzene	17109	0.001	<0.001	EPA502.2	0.001	6/7/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3480547
Public Water System Name: Holiday Heights
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17109
Sample Location (be specific): 1- well
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special And Gr. Voc.
Sampler Name, Title Phone: Jim Johnson

ANALYSIS INFORMATION

Extraction Date / /
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check ☐ Yes ☒ No)
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Andrew B. Harrison Mail Results to the
Title: Laboratory Manager Appropriate DER or ACPHU Office:
Laboratory: Flowers Chemical Laboratories, Inc.
Date: 6/10/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

FDER	Lab	80011
FDHIS	Lab	80130
HDCEHIN	Lab	790
ECONEC	Lab	79018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
UNIVERSITY WAGEN 17-850

Attn: Tim Johnson

[illegible]

SAMPLE INFORMATION; SAMPLE DATE: MONTH 6 DATE 6 YEAR 91
 SAMPLE TYPE (check all applicable); () check, () regular distribution
~~()~~ composite, () tolerance, () max residence time, () plant tap,
~~()~~ raw, () well, () resample, () special
 ANALYST'S NAME: James Johnson TITLE: Operator PHONE: 880-0058
 ANALYST'S SIGNATURE: James Johnson
 NOTES: Composite Sampling → with Orange County
From Well #1

Parameter Group(s) Analysed: Turbidity; Inorganic; Lithiomet methane; Volatile Organic;
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide;
Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable;

Laboratory Number

Client Sample Identification

Collector's Signature:
 Transmitter's Signature:
 ab Acceptance By:

James Johnson

Date 6/6/91
6/6/91

Time 9:40
11:40



Charles L. Sweat
Vice President—Operations

General Offices
1000 Cotor Place
Apopka, FL 32703
(407) 880-0058

September 23, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Orange County PW
Holiday Heights PWS ID#3480547

Dear Ms. Carrasquillo:

Enclosed please find results for Volatile Organic Analysis third quarter for the above referenced facility.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Serving the customers of the Citrus Springs, Daytona, Maitland and Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard
Southern Shores, Spring Hill, Suncoast and Venice Gardens utilities

FLOWERS



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Sep17 1991

PO Number: B91048

PO Number Holiday Hgnts

FDHRS Lab# : 83139

FDER Lab# : E63018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL

Date Received:

Sep12 1991

Lab Number : 17801

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	17801
		Detection Limit			
Ethylene dibromide	mg/L	0.000005	101	5.90	<0.000005
Para-dichlorobenzene	mg/L	0.001	96.8	2.73	<0.001
Vinyl chloride	mg/L	0.001	101	2.35	<0.001
1,1-dichloroethene	mg/L	0.001	101	2.35	<0.001
1,2-dichloroethane	mg/L	0.001	101	1.16	<0.001
1,1,1-trichloroethane	mg/L	0.001	94.7	2.68	<0.001
Carbon tetrachloride	mg/L	0.001	90.6	2.59	<0.001
Trichloroethene	mg/L	0.001	101	1.67	<0.001
Tetrachloroethene	mg/L	0.001	96.5	1.19	<0.001
Benzene	mg/L	0.001	113	1.01	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32715-0597
905 407 339-5984
fax 407 339-5984

0632

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3480547
Public Water System Name: Holiday Heng 4ds
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17801
Sample Location (be specific): P-Well (Plant)
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special
Sampler Name, Title Phone: Jim Johnson - Operator - 880-0057

ANALYSIS INFORMATION

Extraction Date:
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (check ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 9/16/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17801	.00002	<.000005	EPA504.1	.000005	9/16/91
2969	Para-dichlorobenzene	17801	.075	<0.001	EPA502.2	0.001	9/13/91
2976	Vinyl chloride	17801	0.001	<0.001	EPA502.2	0.001	9/13/91
2977	1,1-dichloroethene	17801	0.007	<0.001	EPA502.2	0.001	9/13/91
2980	1,2-dichloroethane	17801	0.003	<0.001	EPA502.2	0.001	9/13/91
2981	1,1,1-trichloroethane	17801	0.2	<0.001	EPA502.2	0.001	9/13/91
2982	Carbon tetrachloride	17801	0.003	<0.001	EPA502.2	0.001	9/13/91
2984	Trichloroethene	17801	0.003	<0.001	EPA502.2	0.001	9/13/91
2987	Tetrachloroethene	17801	0.003	<0.001	EPA502.2	0.001	9/13/91
2990	Benzene	17801	0.001	<0.001	EPA502.2	0.001	9/13/91

Comments:



CHEMICAL
LABORATORIES
INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-350

FOER LAB E8018
FOHRB LAB E8139
NCEB-NR LAB 284
SCHEC LAB E8018

Don CORDER

(1) Client: SSU (2) Address: 1000 COLLE PLACE (3) Phone: 880-0058
APOPKA, FL. 32703

(4) Public Drinking Water ID #: _____ (5) Public Water System Name: Holroy Heights

(6) Project #: _____ (8) Public Water System Type: _____

(7) PWS: B91045 ☒ Community ☐ Non-Community ☐ Special Non-Community

	Preservative	Plastic Containers					Glass Containers					NOTES:
		100ml	125ml	250ml	500ml	1L	10ml	250ml	500ml	1L	2L	
(16) 6												(12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____
												HOLIDAY HOLIDAYS (1 WELL, 1 PLANT - TO BE RUN SEPARATE)

(17) Kit Acquired: J. Johnson (17) Date: 9/12/91 (19) Kit Received: _____ (19) Date: _____
1:40 PM: _____ (19) Time: _____

(10) Parameter Group(s) Analysed: Turbidity _____ Inorganic _____ Total Organic _____ Volatile Organic ☒
Organic Chemical _____ Secondary Chemical _____ Radiological _____ Unregulated Organic Pesticide _____
Unregulated Organic Pesticide _____ Unregulated Base Neutral Extractable _____ Unregulated Acid Extractable _____

(18) Laboratory Number
17801

(11) Client Sample Identification

_____	#1
_____	#2
_____	#3
_____	#4
_____	#5
_____	#6
_____	#7
_____	#8
_____	#9
_____	#10

(13) Collector's Signature: _____

(14) Transporter's Signature: _____

(15) Lab Acceptance By: _____

Date: 9/12/91 Time: 1:40 PM

Date: 9/12/91 Time: 1:40 PM

Date: 9/12/91 Time: 1:43

Over for numbered instructions.



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

December 18, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Holiday Heights / Orange Co. / PWS ID # 3480547

Dear Ms. Carrasquillo:

Enclosed please find results for Fourth Quarter Volatile
Organic Analysis for the above referenced system.

Please enter this information into your records.

Sincerely,

Donald B. Corder

Donald B. Corder
Area Supervisor

\csd

cc: Charles Sweat
Frank Sanderson
Jim Murray
Mel Fisher

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Dec16 1991

PO Number: B91045

PO Number Holiday Hgts

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Dec 5 1991

Lab Number : 18439

REPORT OF ANALYSIS

Holiday Heights

Parameter	Unit	Method	%ACC	%PRC	18439
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	105	1.71	<0.000005
Para-dichlorobenzene	mg/L	0.001	94.3	1.289	<0.001
Vinyl chloride	mg/L	0.001	90.8	1.15	<0.001
1,1-dichloroethene	mg/L	0.001	90.8	1.15	<0.001
1,2-dichloroethane	mg/L	0.001	97.2	3.22	<0.001
1,1,1-trichloroethane	mg/L	0.001	99.0	2.85	<0.001
Carbon tetrachloride	mg/L	0.001	92.9	2.10	<0.001
Trichloroethene	mg/L	0.001	98.2	3.55	<0.001
Tetrachloroethene	mg/L	0.001	84.4	5.99	<0.001
Benzene	mg/L	0.001	92.3	1.04	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

[Signature]
Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-8984
FAX (407) 260-6110

0637

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3490547
Public Water System Name: Holiday Heights
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 18439
Sample Location (be specific): Plant - 1-Well
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special
Sampler Name, Title Phone: Jim Johnson - Operator - 880-0058

ANALYSIS INFORMATION

Extraction Date: 1/1/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check) Yes ☐ (X) No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 12/13/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18439	.00002	<.000005	EPA504.1	.000005	12/13/91
2969	Para-dichlorobenzene	18439	.075	<0.001	EPA502.2	0.001	12/5/91
2976	Vinyl chloride	18439	0.001	<0.001	EPA502.2	0.001	12/5/91
2977	1,1-dichloroethene	18439	0.007	<0.001	EPA502.2	0.001	12/5/91
2980	1,2-dichloroethane	18439	0.003	<0.001	EPA502.2	0.001	12/5/91
2981	1,1,1-trichloroethane	18439	0.2	<0.001	EPA502.2	0.001	12/5/91
2982	Carbon tetrachloride	18439	0.003	<0.001	EPA502.2	0.001	12/5/91
2984	Trichloroethene	18439	0.003	<0.001	EPA502.2	0.001	12/5/91
2987	Tetrachloroethane	18439	0.003	<0.001	EPA502.2	0.001	12/5/91
2990	Benzene	18439	0.001	<0.001	EPA502.2	0.001	12/5/91

Comments:

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

FOER Lab E83018
FOHRS Lab E83139
NCEHNR Lab 296
SCMEC Lab E8019

(1) Client: SSU		(2) Address:		(3) Phone: 880-0058 ext- 148	
(4) Public Drinking Water ID #		(5) Public Water System Name:			
(6) Project #		(8) Public Water System Type			
(7) ID# B-91045		(11) Community ☒ Non-Community ☐ Special Non-Community ☐			
Preservative		Plastic Containers		Glass Containers	
HX ZnOAC/AF 60ml 125ml 250ml 500ml 1L Whirl Pac Bag		40ml 250ml 500ml 1L 2L 4L		NOTES: (12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____	
(16) 3		X		* - Holiday Heights B91045	
(17) Kit Relinquished:		(17) Date		(9) Date	
		(17) Time		(9) Time	
(10) Parameter Group(s) Analysed: Turbidity; Inorganic; Trihalomethane; Volatile Organic ☒ Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable					

(18) Laboratory Number **18439** ✓

(11) Client Sample Identification

_____	#1
_____	#2
_____	#3
_____	#4
_____	#5
_____	#6
_____	#7
_____	#8
_____	#9
_____	#10

(13) Collector's Signature: _____

Date Time

(14) Transporter's Signature: _____

(15) Lab Acceptance By: _____

12/5/91 **1:00**

Over for numbered instructions.

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

RECEIVED
DEC 4 2 10 PM '91
BY: D. KAJANIS
12/5

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: HOLIDAY HEMTS SYSTEM I.D. NO: 3480547 SYSTEM PHONE #: 940-0058
ADDRESS: 1/2 1000 CLEGG PLACE COUNTY: FLORIDA DER DISTRICT: CANTON
COLLECTOR: TRANA ALCOH COLLECTOR PHONE #: 940-0058
SAMPLE SITE (Locality or Subdivision): 8979 ADA LAKESIDE BLVD JACKSONVILLE FLORIDA
DATE AND TIME COLLECTED: 90 11 14 11 91
TYPE OF SUPPLY(Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water: TA Other public water system
TYPE OF SAMPLE(Circle one): Compliance Repeat Replacement Main clearance Well survey Other
(Check Box) (Check Box) (Check Box) (Check Box) (Specify)
☒ Distribution ☐ TNC or CFC ☐ Turbid
☒ Raw ☐ Turbid

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CI RES'D	pH	ANALYSIS METHOD: SAMPLE NUMBER	NE CONFORM	MTF TOTAL	MONO-MUG CONFIRM TOTAL	PA CONFIRM FECAL
9	WELL #1	0.0	6.9	051015	Adm	A		
10	PRESSURE TANK	1.3	2.2	051016	REC	A		
11	3917 AVALON	0.8	7.2	051017	NO TAG	A		
12	2707 CALUMET	0.6	7.2	051018	NO TAG	A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

301 S. WICK
1110 CLEGG PLACE
APT. 111A F.L. 32703

- ()
(X) SATISFACTORY
() INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES

REVIEWING OFFICIAL: JK

TITLE: DER

HS Form 688, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 8740 000-0011-1)

Imperial Mobile Terrace - 570

Lake County (SSU)

Water

- 1992 FPSC Filing -

Imperial Terrace

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	5/90
Organic	5/90
Volatile Organic Chemicals	5/90
	9/90
	12/90
	3/91
Turbidity	5/90
Microbiological	12/91
Radionuclide	5/90
Secondary Contaminants	5/90
Unregulated Contaminants	3/91



ORLANDO LABORATORIES, INC.

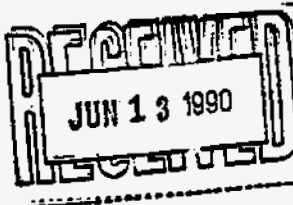
P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work ID: Imperial Terrace #570
Total Samples: 3



Work Order #: 90-05-297
Date Received: 05/22/90
Date Reported: 06/11/90
OLI Contact: E_HOBBS

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Imperial Terrace
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report

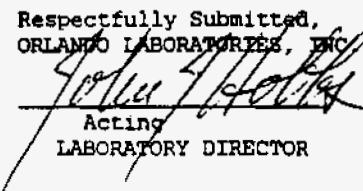
PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS033 Radiological Analysis

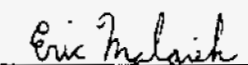
Copy of results to:

Southern States Utilities
Attn: Don Corder
1000 Color Place
Apopka, FL 32703

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

The Analytical Specialists

0644

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-297

SAMPLE ID Imperial Terrace
DATE COLLECTED 05/21/90 14:00:00
TEST NAME Turbidity Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS026

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result(NTU)	Analytical Method	Analysis Date
0100 Turbidity			<1.0	EPA 180.1	05/23/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-297

SAMPLE ID Imperial Terrace
DATE COLLECTED 05/21/90 14:00:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.910 (2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	05/22/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	05/24/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	05/24/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	05/24/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	05/24/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	05/24/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	05/24/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	05/24/90
2987 Tetrachloroethane			0.0005 U	EPA 524	0.0005	05/24/90
2990 Benzene			0.0005 U	EPA 524	0.0005	05/24/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-297

SAMPLE ID Imperial Terrace
DATE COLLECTED 05/21/90 14:00:00
TEST NAME Organic Chemical Analysis

SAMPLE# DIA
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	05/29/90
2010 Lindane			0.00005 U	EPA 608	0.00005	05/29/90
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	05/29/90
2020 Toxaphene			0.00100 U	EPA 608	0.00100	05/29/90
2105 2,4-D			0.0020 U	EPA 615	0.0020	05/28/90
2110 2,4,5-TP (Silvex)			0.0010 U	EPA 615	0.0010	05/28/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-297

SAMPLE ID Imperial Terrace
DATE COLLECTED 05/21/90 14:00:00
TEST NAME Inorganic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	05/27/90
1010 Barium			<0.100	EPA 200.7	0.100	05/29/90
1015 Cadmium			<0.005	EPA 213.2	0.005	05/29/90
1020 Chromium			<0.010	EPA 218.2	0.010	05/29/90
1025 Fluoride			.16	EPA 340.2	0.1	05/31/90
1030 Lead			<0.010	EPA 239.2	0.010	05/30/90
1035 Mercury			<0.0005	EPA 245.1	0.0005	05/23/90
1040 Nitrate (as N)			<0.03	EPA 352.2	0.03	05/30/90
1045 Selenium			<0.005	EPA 270.1	0.000	05/29/90
1050 Silver			<0.010	EPA 272.2	0.010	05/30/90
1052 Sodium			5.70	EPA 200.7	0.001	05/29/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-297

SAMPLE ID Imperial Terrace
DATE COLLECTED 05/21/90 14:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			NOT ANALYZED			
1017 Chloride			9.1	SM 407	1.0	05/29/90
1019 Carbonate CaCO3			0	CALC	0	06/05/90
1021 Hydroxide CaCO3			0	CALC	0	06/05/90
1022 Copper			<0.010	EPA 200.7	0.010	05/29/90
1023 Bicarbonate CaCO3			110	CALC	0	06/05/90
1025 Fluoride			.16	EPA 340.2	0.1	05/31/90
1026 Bicarbonate HCO3			130	CALC	0	06/05/90
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			<0.100	EPA 200.7	0.100	05/29/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	05/29/90
1055 Sulfate			<1.0	EPA 375.4	1.0	05/30/90
1095 Zinc			<0.050	EPA 200.7	0.050	05/29/90
1901 Carbon Dioxide			2.0	SM 406 C	1.0	06/05/90
1905 Color (color units)			<5	EPA 270.2	5 PCU	05/23/90
1915 Total Hardness			77.0	EPA 200.7	0.050	05/29/90
1917 NCH as CaCO3			NOT ANALYZED			
1920 Odor			2	EPA 140.1	1	05/23/90
1924 Field pH (units)			NOT ANALYZED			
1925 Lab pH (units)			8.02	EPA 150.1	N/A	05/23/90
1926 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-297
Continued From Above

SAMPLE ID Imperial Terrace
DATE COLLECTED 05/21/90 14:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			110	EPA 310.1	2.0	05/23/90
1930 TDS			180	EPA 160.1	1.0	05/29/90
1931 Phenolphthalein ALK.			NOT ANALYZED	EPA 310.1	2.0	05/27/90
1996 Field Temp. (C)			NOT ANALYZED			
1997 Langlier Index pHs			7.9	CALC	N/A	06/05/90
1998 Saturation Index			0.12	CALC	N/A	06/05/90
1999 Stability Index			7.78	CALC	N/A	06/05/90
2909 Foaming Agents			<0.1	EPA 425.1	0.1	05/23/90
9996 Field DO			NOT ANALYZED			
9997 Field Chlorine			NOT ANALYZED			

Comments:

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-297

SAMPLE ID Imperial Terrace
DATE COLLECTED 05/21/90 14:00:00
TEST NAME Radiological Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310 (5)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Det. Lt. Used	Analysis Date
4002 Gross Alpha	<u> </u>	<u>0.8</u>	<u>EPA 900.0</u>	<u>+/- 1.4</u>	<u>05/30/90</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-297

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	05/22/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	05/24/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	05/24/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	05/24/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	05/24/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	05/24/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	05/24/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	05/24/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	05/24/90
2990 Benzene			0.0005 U	EPA 524	0.0005	05/24/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-05-297

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310 (2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin	_____	_____	0.00010 U	EPA 608	0.00010	05/29/90
2010 Lindane	_____	_____	0.00005 U	EPA 608	0.00005	05/29/90
2015 Methoxychlor	_____	_____	0.00050 U	EPA 608	0.00050	05/29/90
2020 Toxaphene	_____	_____	0.00100 U	EPA 608	0.00100	05/29/90
2105 2,4-D	_____	_____	0.0020 U	EPA 615	0.0020	05/28/90
2110 2,4,5-TP (Silvex)	_____	_____	0.0010 U	EPA 615	0.0010	05/28/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 05/22/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-05-297

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02A : NOTEST

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-05-297
Page No: 12

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Turbidity	<1	N/A	05/23/90	KM
Odor	<1	N/A	05/23/90	KM
pH	<1	N/A	05/23/90	SRK
Total Alkalinity	4	115	05/23/90	SRK
Color	<1	N/A	05/23/90	KM
MBAS	<1	110	05/23/90	KM
Chloride	<1	101	05/29/90	RJW
TDS	3	93	05/29/90	KM
Nitrogen, Nitrite	<1	101	05/23/90	SRK
Fluoride	<1	100	05/31/90	KM
Sulfate	2	102	05/30/90	RJW
Nitrogen, Nitrate	<1	100	06/01/90	DR
Arsenic	8	96	05/27/90	CFG
Selenium	<1	94	05/29/90	CFG
Barium	<1	103	05/29/90	BB
Cadmium	<1	108	05/29/90	BB
Chromium	<1	105	05/29/90	BB
Sodium	1	101	05/29/90	BB
Copper	1	100	05/29/90	BB
Iron	<1	104	05/29/90	BB
Manganese	<1	108	05/29/90	BB
Zinc	1	105	05/29/90	BB
Calcium	<1	105	05/29/90	BB
Silver	<1	97	05/30/90	CFG
Mercury	1	97	05/23/90	EM
Lead	<1	97	05/30/90	JC
Gross Alpha	2.3	87	05/29/90	JAB

Note: The duplicate for Gross Alpha is reported as actual difference rather than percent difference as specified.

ORLANDO LABORATORIES, INC.

GC ORGANICS

Page No: 13

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 05-31-1990

LAB SAMPLE # : 9005282-01a
ANALYSIS DATE : 05/29/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	0	98	98	85	85	14
HEPTACHLOR	100	0	100	100	90	90	11
ALDRIN	100	0	88	88	73	73	9
DIELDRIN	100	0	90	90	77	77	16
ENDRIN	100	0	112	112	83	83	30 *
4,4-DDT	100	0	100	100	92	92	8

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	56	123	15	46	127	50
HEPTACHLOR	40	131	20	35	138	31
ALDRIN	48	120	22	34	132	43
DIELDRIN	52	126	18	31	134	38
ENDRIN	56	121	21	42	139	45
4,4-DDT	38	127	27	23	134	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 05-25-1990

LAB SAMPLE # : 9005297-01a
ANALYSIS DATE : 05/24/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
2,4,5-TP (silves)	100	0	114	114	140	140	20

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
2,4,5-TP (silves)	53	132	30	50	130	35

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 5-26-90

LAB SAMPLE # : 90-05-324-1
ANALYSIS DATE : 5-24-90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
1,1-dichloroethene	50	0	43	86	40	80	7
trichloroethene	50	0	57	114	52	104	9
benzene	50	0	47	94	48	96	2
toluene	50	0	52	104	46	92	12
chlorobenzene	50	0	50	100	48	96	4

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	61	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 05-24-1990

LAB SAMPLE # : 9005302-01a
ANALYSIS DATE : 05/22/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	59	59	58	58	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	39	90	20	35	90	20

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Imperial Irrigation
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: PWS026, 028, 029, 030, 031 & PWS033
Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 05/21/90
Laboratory Sample Number: 90-05-297
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special _____
Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 5/1/90 N/A
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trichloromethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek

Name: Eric Malarek

Title: Quality Control Officer

Laboratory: Orlando Laboratories, Inc.

Date: 6-17-90

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ORLANDO LABORATORIES ^{INC}

Pland File

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-09-307
Date Received: 09/27/90
Date Reported: 10/04/90
OLI Contact: E_HOBBS

Work ID: 570 #3350584 Imperial Terrace
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 #1 well
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report
PWS028 Volatile Organic Analysis

2nd Qtr. VOC

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350584
 Public Water System Name: Imperial Terrace
 Public Water System Type (check one):
 ☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Volatile Organic Analysis

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 09/27/90
 Laboratory Sample Number: 90-09-307
 Sample Location: _____
 Sample Type (check all applicable):
 ☐ Check ☐ Regular Distribution ☐ Composite
 ☒ Clearance ☒ Maximum Residence Time ☐ Plant Tap
 ☒ Raw ☒ Well ☐ Re-sample
 ☐ Special _____
 Sampler Name, Title, Phone: Don Corder, Area Supervisor, 880-0057

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 09/27/90 (504)
 Laboratory Contact: Eric Malarek
 Re-sample Requested? (check one): ☐ Yes ☒ No
 ANALYSES SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
 Volatile Organic___; Organic Chemical___; Secondary Chemical___;
 Radiological___; Unregulated Organic Purgeable___; Unregulated
 Organic Pesticides___; Unregulated Base Neutral Extractable___;
 Unregulated Acid Extractable___; (Check all analyses which apply.)

I do HEARBY CERTIFY that all data submitted is correct.

Signature Eric Malarek
 Name Eric Malarek
 Title Quality Control Officer
 Laboratory Orlando Laboratories, Inc.
 Date 10/5/90

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

IRLAND LABORATORIES, INC.
Received: 09/27/90

REPORT OF ANALYSIS
Results by Sample

Acct. Order # 00-01-007

SAMPLE ID #1 well
DATE COLLECTED 09/27/90 14:30:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS026

VOLATILE ORGANIC ANALYSIS
17-550.310 (2) (d)
(PWS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
0346 Ethylene dibromide			0.00002 U	EPA 504	0.00002	09/29/90
0369 Para-dichlorobenzene			0.0005 U	EPA 504	0.0005	09/29/90
0376 Vinyl Chloride			0.0005 U	EPA 504	0.0005	09/29/90
0377 1,1-Dichloroethene			0.0005 U	EPA 504	0.0005	09/29/90
0380 1,2-Dichloroethane			0.0005 U	EPA 504	0.0005	09/29/90
0381 1,1,1-Trichloroethane			0.0005 U	EPA 504	0.0005	09/29/90
0382 Carbon Tetrachloride			0.0005 U	EPA 504	0.0005	09/29/90
0384 Trichloroethene			0.0005 U	EPA 504	0.0005	09/29/90
0387 Tetrachloroethane			0.0005 U	EPA 504	0.0005	09/29/90
0390 Benzene			0.0005 U	EPA 504	0.0005	09/29/90

Comments:

CHROMA LABORATORIES, INC.
Received: 09/27/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-007

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310 (2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
0048 Styrene dibromide			0.00002	U	EPA 824	0.00002	10/01/90
0069 Para-dichlorobenzene			0.0005	U	EPA 824	0.0005	09/28/90
0078 Vinyl Chloride			0.0005	U	EPA 824	0.0005	09/28/90
0170 1,1-Dichloroethene			0.0005	U	EPA 824	0.0005	09/28/90
0180 1,1-Dichloroethane			0.0005	U	EPA 824	0.0005	09/28/90
0181 1,1,1-Trichloroethane			0.0005	U	EPA 824	0.0005	09/28/90
0182 1,1,1,2-Tetrachloroethane			0.0005	U	EPA 824	0.0005	09/28/90
0183 1,1,2,2-Tetrachloroethane			0.0005	U	EPA 824	0.0005	09/28/90
0201 Benzene			0.0005	U	EPA 824	0.0005	09/28/90

Quantities:

ORLANDO LABORATORIES, INC.
Received: 08/07/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 80-09-007

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

Q2A : NOTEST

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 10-01-1990

LAB SAMPLE # : 9009282-1&2
ANALYSIS DATE : 10/01/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	0	0 %	62	62	0 %

COMMENTS : * = parameter outside GC limits.
Spike compound(s) not found in MS or MSD run.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	50	100	20	35	90	20

high matrix interference on 282-1 prevented recovery calculations

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 10-03-1990

LAB SAMPLE # : 9009310-2 524
 ANALYSIS DATE : 9/28/90

COMPOUND	AMOUNT	SAMPLE	NS	NS 2	NS3	NS32	RPD
	SPIKED	RESULT	RESULT	RECOVERY	RESULT	RECOVERY	
1,1-dichloroethene	50	0	48	96	50	100	4
trichloroethene	50	0	54	108	48	96	12
benzene	50	0	52	104	53	106	3
toluene	50	0	53	106	55	110	4
chlorobenzene	50	0	54	108	53	106	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	41	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	120	13	60	133	21

End of Report



ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1

INVOICE TO (COMPANY AND INDIVIDUAL) SSU Services			ADDRESS (CITY, STATE, ZIP) 1000 Color Place - Apple			1	CONTACT PERSON/PHONE # INVOICE		2	OLI WORK ORDER # (LAB USE) 9009307		3	
ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) Same			ADDRESS (CITY, STATE, ZIP)			4	CONTACT PERSON/PHONE # REPORT		5	RI NUMBER (LAB USE) 2100		6	
(OPTIONAL) ADDITIONAL REPORTS SENT TO			ADDRESS (CITY, STATE, ZIP)			7			17				
CLIENT PROJECT NAME SSU - Imperial Terrac						8	CLIENT PROJECT # 530						9
SAMPLE IDENTIFICATION		DATE/TIME	COMP	GHAS	WATER	SOIL	OTHER	SAMPLE DESCRIPTION		13	REQUESTED ANALYSIS VOC'S (PWS028)	REMARKS	
#1 Well		9-27/2130 PM		✓	✓					5			
TRANSFER NUMBER	RELINQUISHED BY		14	DATE/TIME		15	ACCEPTED BY		16	ADDITIONAL REMARKS		20	
1st	Dariusz Galdun			9/27/90 9am			Deedee Homan						
2nd	Donald B. Corder			9-27/1615									
3rd													
SAMPLER'S SIGNATURE Donald B. Corder												22	

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

8990



ORLANDO LABORATORIES

Plant File

D-10

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-12-284
Date Received: 12/19/90
Date Reported: 12/31/90
OLI Contact: L. BALTZLEY

Work ID: #570 Imperial Terrace
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Imperial Terrace Well
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report
PWS028 Volatile Organic Analysis *3rd Qtr.*

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

[Signature]
Acting
LABORATORY DIRECTOR

Dedicated To Excellence

[Signature]
Eric Malarek
QUALITY CONTROL

TEL 407-898-6586

800 326-8320

FAX 407 898-6586

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-284

SAMPLE ID Imperial Terrace Well
DATE COLLECTED 12/18/90 13:30:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	12/20/90
2963 Para-dichlorobenzene			0.0005 U	EPA 504	0.0005	12/20/90
2976 Vinyl Chloride			0.0005 U	EPA 504	0.0005	12/20/90
2977 1,1-Dichloroethene			0.0005 U	EPA 504	0.0005	12/20/90
2980 1,2-Dichloroethane			0.0005 U	EPA 504	0.0005	12/20/90
2961 1,1,1-Trichloroethane			0.0005 U	EPA 504	0.0005	12/20/90
2982 Carbon Tetrachloride			0.0005 U	EPA 504	0.0005	12/20/90
2984 Trichloroethene			0.0005 U	EPA 504	0.0005	12/20/90
2987 Tetrachloroethene			0.0005 U	EPA 504	0.0005	12/20/90
2990 Benzene			0.0005 U	EPA 504	0.0005	12/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-284

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 03A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	12/20/90
2965 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	12/20/90
2978 Vinyl Chloride			0.0005 U	EPA 524	0.0005	12/20/90
2979 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2981 1,1,1-Trichloroethane			0.0005 U	EPA 524	0.0005	12/20/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	12/20/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	12/20/90
2990 Benzene			0.0005 U	EPA 524	0.0005	12/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 12/19/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-12-284

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02A : NOTEST

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 12-23-1990

LAB SAMPLE # : 9012284-2 524
 ANALYSIS DATE : 12/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
1,1-dichloroethene	50	0	52	104	60	120	14
trichloroethene	50	0	61	122 *	51	102	18 *
benzene	50	0	51	102	52	104	2
toluene	50	0	57	114	54	108	5
chlorobenzene	50	0	59	118	53	106	11

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	61	145	14	59	172	22
trichloroethene	71	120	14	62	137	24
benzene	76	127	11	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 12-20-1990

LAB SAMPLE # : 9012283&284-1
ANALYSIS DATE : 12/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	50	50	53	53	6

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	50	100	20	35	90	20

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
 Public Water System Name: Imperial Terrace
 Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Volatile Organic Analysis

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 12/18/90
 Laboratory Sample Number: 90-12-284
 Sample Location: _____
 Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special _____
 Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 12/19/90 (504)
 Laboratory Contact: Eric Malarek
 Re-sample Requested? (check one): ☐ Yes ☐ No
 ANALYSES SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
 Volatile Organic___; Organic Chemical___; Secondary Chemical___;
 Radiological___; Unregulated Organic Purgeable___; Unregulated
 Organic Pesticides___; Unregulated Base Neutral Extractable___;
 Unregulated Acid Extractable___; (Check all analyses which apply.)

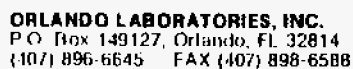
I do HEARBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
 Name: Eric Malarek
 Title: Quality Control Officer
 Laboratory: Orlando Laboratories, Inc.
 Date: 12/31/90

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



Page 1 of 1

[illegible]

ORIGINAL - 1A8
YELLOW FILE
PINK CLIENT

0676



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 30, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulations
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Fern Terrace PWS ID #3350370
 Piney Woods/Spring Lake PWS ID #3351021
 Stone Mountain PWS ID #3351282
 → Imperial Terrace PWS ID #3350584
 Skycrest PWS ID #3351205
 Grand Terrace PWS ID #3354697
 Sunshine Parkway PWS ID #3350691

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis, Unregulated Organic Purgeables, Unregulated Organic Pesticides, Unregulated Base Neutral Extracts and Unregulated Acid Extractables for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
 Frank Sanderson
 Ralph Terrero
 Clara Dozier
 File

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 6 1991

PO Number: 891053

PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

Lab Number : 16557

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16557
Ethylene dibromide	mg/L	0.000005	95.4	5.11	<0.000005
Para-dichlorobenzene	mg/L	0.001	106	1.67	<0.001
Vinyl chloride	mg/L	0.001	97.8	1.96	<0.001
1,1-dichloroethene	mg/L	0.001	97.8	1.96	<0.001
1,2-dichloroethane	mg/L	0.001	106	1.70	<0.001
1,1,1-trichloroethane	mg/L	0.001	96.9	1.10	<0.001
Carbon tetrachloride	mg/L	0.001	98.0	1.21	<0.001
Trichloroethene	mg/L	0.001	97.1	1.546	<0.001
Tetrachloroethene	mg/L	0.001	100	1.986	<0.001
Benzene	mg/L	0.001	92.4	1.284	<0.001
Chloromethane	mg/L	0.001	101	1.47	<0.001
Dichlorodifluorometh	mg/L	0.001	98.0	1.21	<0.001
Bromomethane	mg/L	0.001	101	1.47	<0.001
Chloroethane	mg/L	0.001	97.8	1.96	<0.001
Trichlorofluorometha	mg/L	0.001	98.0	1.21	<0.001
trans-1,3-dichlorop	mg/L	0.001	107	1.457	<0.001
cis-1,3-dichloroprop	mg/L	0.001	108	1.15	<0.001
Methyl-tert-butyleth	mg/L	0.001	107	7.16	<0.001
cis-1,2-dichloroeth	mg/L	0.001	108	1.15	<0.001
Dibromomethane	mg/L	0.001	101	1.47	<0.001
1,1-dichloropropene	mg/L	0.001	97.3	0.95	<0.001
1,3-dichloropropane	mg/L	0.001	107	1.457	<0.001
1,2,3-trichloropropa	mg/L	0.001	111	4.66	<0.001
2,2-dichloropropane	mg/L	0.001	97.8	1.96	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	111	4.66	<0.001
Chloroform	mg/L	0.001	95.4	1.495	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

 Jefferson S. Flowers, Ph.D.
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 381 NEWBURYPORT
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 ALTAMONTE SPRINGS
 FLORIDA 32714-597
 407-327-4544
 FAX 407-327-4544

0678

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 16 1991

PO Number: B91053

PO Number

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

Lab Number : 16557

REPORT OF ANALYSIS

					16557
Parameter	Unit	Method Detection	%ACC	%PRC	
		Limit			
Bromoform	mg/L	0.001	106	.818	<0.001
Bromodichloromethane	mg/L	0.001	101	.546	<0.001
Dibromochloromethane	mg/L	0.001	103	.315	<0.001
p-xylene	mg/L	0.001	102	1.09	<0.001
Methylene chloride	mg/L	0.001	101	1.47	<0.001
o-chlorotoluene	mg/L	0.001	108	3.16	<0.001
p-chlorotoluene	mg/L	0.001	91.8	.875	<0.001
m-dichlorobenzene	mg/L	0.001	108	1.38	<0.001
o-dichlorobenzene	mg/L	0.001	99.4	.848	<0.001
1,1-dichloroethane	mg/L	0.001	94.5	1.15	<0.001
trans-1,2-dichloroet	mg/L	0.001	105	2.36	<0.001
1,2-dichloropropane	mg/L	0.001	97.7	.129	<0.001
1,1,2-trichloroethan	mg/L	0.001	105	1.07	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	104	1.99	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	104	1.43	<0.001
Chlorobenzene	mg/L	0.001	94.3	.441	<0.001
Toluene	mg/L	0.001	91.8	.875	<0.001
Ethylbenzene	mg/L	0.001	94.1	1.34	<0.001
Bromobenzene	mg/L	0.001	94.3	.441	<0.001
m-xylene	mg/L	0.001	102	1.09	<0.001
Styrene	mg/L	0.001	91.8	.875	<0.001
o-xylene	mg/L	0.001	102	1.09	<0.001
Dalapon	mg/L	0.000001	99.8	5.32	<0.000001
Oxamyl (Vydate)	mg/L	0.002	93.8	5.46	<0.002
Simazine	mg/L	0.007	101	.699	<0.007
Picloram	mg/L	0.00007	92.0	6.15	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 4

Jefferson S. Flowers, Ph.D.
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FLORIDA 32714-0597
TEL 407 336-4746
FAX 407 336-4746

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 6 1991

PO Number: B91053

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

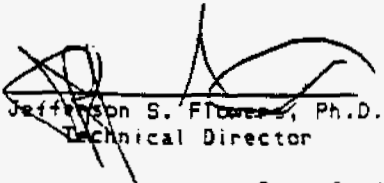
Lab Number : 16557

REPORT OF ANALYSIS

					16557
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	114	6.85	<0.00001
Aldicarb sulfoxide	mg/L	0.002	94.8	2.61	<0.002
Aldicarb sulfone	mg/L	0.002	81.0	19.2	<0.002
Metolachlor	mg/L	0.0005	110	11.6	<0.0005
Carbofuran	mg/L	0.001	99.0	2.86	<0.001
Aldicarb	mg/L	0.002	98.0	.000	<0.002
Atrazine	mg/L	0.002	102	.522	<0.002
Alachlor (Lasso)	mg/L	0.0002	109	4.85	<0.0002
Heptachlor	mg/L	0.000005	102	.834	<0.000005
Aldrin	mg/L	0.00007	110	.642	<0.00007
Dieldrin	mg/L	0.00001	97.1	8.88	<0.00001
Dicamba	mg/L	0.00001	93.3	6.45	<0.00001
Chlordane	mg/L	0.00001	101	2.39	<0.00001
Pentachlorophenol	mg/L	0.005	88.7	2.07	<0.005
Hexachlorocyclopenta	mg/L	0.001	90.5	11.7	<0.001
Dioxin	mg/L	0.00001	97.9	3.61	<0.00001
Isophorone	mg/L	0.001	96.2	3.47	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.9	6.20	<0.001
Dimethylphthalate	mg/L	0.001	98.7	3.64	<0.001
Diethylphthalate	mg/L	0.001	102	4.04	<0.001
Di-n-butylphthalate	mg/L	0.001	92.4	5.8	<0.001
Butyl benzyl phthala	mg/L	0.001	94.9	6.27	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	98	4.43	<0.001
1,2,4-trichlorobenze	mg/L	0.001	98.3	4.44	<0.001
PCB_1016	mg/L	0.0001	96.7	1.32	<0.0001
PCB_1221	mg/L	0.0001	96.3	1.91	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 3 of 4

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FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 6 1991

PO Number: B91053

PO Number

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

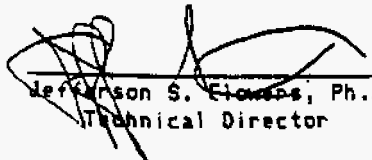
Lab Number : 16557

REPORT OF ANALYSIS

					16557
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB_1232	mg/L	0.0001	104	.408	<0.0001
PCB_1242	mg/L	0.0001	105	2.02	<0.0001
PCB_1248	mg/L	0.0001	99.4	3.41	<0.0001
PCB_1254	mg/L	0.0001	96.7	1.90	<0.0001
PCB_1260	mg/L	0.0001	103	3.15	<0.0001
Diethylphthalate	mg/L	0.001	99	1.21	<0.001
2-chlorophenol	mg/L	0.001	95.7	1.45	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	103	1.95	<0.001
Phenol	mg/L	0.001	98.6	3.79	<0.001
2,4,6-trichloropheno	mg/L	0.001	99.7	2.82	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jefferson L. Flowers, Ph.D.
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481 NEWBURYPORT
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BUS. INT. 136-5394
EXT. 127 136-5394

0681

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3350594

Public Water System Name: Imperial Irrigation

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☒; Unregulated Organic Pesticide ☒;

Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 16557

Sample Location (be specific):

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 4/5/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check) Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/15/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA 01 Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16557	.00002	<.000005	EPA504.1	.000005	4/12/91
2969	Para-dichlorobenzene	16557	.075	<0.001	EPA502.2	0.001	4/5/91
2976	Vinyl chloride	16557	0.001	<0.001	EPA502.2	0.001	4/5/91
2977	1,1-dichloroethene	16557	0.007	<0.001	EPA502.2	0.001	4/5/91
2980	1,2-dichloroethane	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2981	1,1,1-trichloroethane	16557	0.2	<0.001	EPA502.2	0.001	4/5/91
2982	Carbon tetrachloride	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2984	Trichloroethene	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2987	Tetrachloroethene	16557	0.003	<0.001	EPA502.2	0.001	4/5/91
2990	Benzene	16557	0.001	<0.001	EPA502.2	0.001	4/5/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2212	Dichlorodifluoromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2214	Bromomethane	16557		<0.001	EPA502.2	0.001	4/5/91
2216	Chloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2218	Trichlorofluoromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2224	trans-1,3-dichloropropene	16557		<0.001	EPA502.2	0.001	4/5/91
2228	cis-1,3-dichloropropene	16557		<0.001	EPA502.2	0.001	4/5/91
2251	Methyl-tert-butylether	16557		<0.001	EPA502.2	0.001	4/5/91
2380	cis-1,2-dichloroethene	16557		<0.001	EPA502.2	0.001	4/5/91
2408	Dibromomethane	16557		<0.001	EPA502.2	0.001	4/5/91
2410	1,1-dichloropropene	16557		<0.001	EPA502.2	0.001	4/5/91
2412	1,3-dichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2414	1,2,3-trichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2416	2,2-dichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2931	1,2-dibromo-3-chloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2941	Chloroform	16557		<0.001	EPA502.2	0.001	4/5/91
2942	Bromoform	16557		<0.001	EPA502.2	0.001	4/5/91
2943	Bromodichloromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2944	Dibromochloromethane	16557		<0.001	EPA502.2	0.001	4/5/91
2962	p-xylene	16557		<0.001	EPA502.2	0.001	4/5/91
2964	Methylene chloride	16557		<0.001	EPA502.2	0.001	4/5/91
2965	o-chlorotoluene	16557		<0.001	EPA502.2	0.001	4/5/91
2966	p-chlorotoluene	16557		<0.001	EPA502.2	0.001	4/5/91
2967	m-dichlorobenzene	16557		<0.001	EPA502.2	0.001	4/5/91
2968	o-dichlorobenzene	16557		<0.001	EPA502.2	0.001	4/5/91
2978	1,1-dichloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2979	trans-1,2-dichloroethyl	16557		<0.001	EPA502.2	0.001	4/5/91
2983	1,2-dichloropropane	16557		<0.001	EPA502.2	0.001	4/5/91
2985	1,1,2-trichloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2986	1,1,1,2-tetrachloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2988	1,1,2,2-tetrachloroethane	16557		<0.001	EPA502.2	0.001	4/5/91
2989	Chlorobenzene	16557		<0.001	EPA502.2	0.001	4/5/91

2991	Toluene	16557	<0.001	EPA502.2	0.001	4/5/91
2992	Ethylbenzene	16557	<0.001	EPA502.2	0.001	4/5/91
2993	Bromobenzene	16557	<0.001	EPA502.2	0.001	4/5/91
2995	m-xylene	16557	<0.001	EPA502.2	0.001	4/5/91
2996	Styrene	16557	<0.001	EPA502.2	0.001	4/5/91
2997	o-xylene	16557	<0.001	EPA502.2	0.001	4/5/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16557		<0.00001	EPA515	0.00001	4/12/91
2036	Oxamyl (Vvdate)	16557		<0.002	EPA531	0.002	4/8/91
2037	Simazine	16557		<0.007	EPA505	0.007	4/12/91
2040	Picloram	16557		<0.00007	EPA515	0.00007	4/12/91
2041	Dinoseb	16557		<0.00001	EPA515	0.00001	4/12/91
2043	Aldicarb sulfoxide	16557		<0.002	EPA531	0.002	4/8/91
2044	Aldicarb sulfone	16557		<0.002	EPA531	0.002	4/8/91
2045	Metolachlor	16557		<0.0005	EPA505	0.0005	4/12/91
2046	Carbofuran	16557		<0.001	EPA531	0.001	4/8/91
2047	Aldicarb	16557		<0.002	EPA531	0.002	4/8/91
2050	Atrazine	16557		<0.002	EPA505	0.002	4/12/91
2051	Alachlor (Lasso)	16557		<0.0002	EPA505	0.0002	4/12/91
2065	Heptachlor	16557		<0.00005	EPA508	0.00005	4/5/91
2356	Aldrin	16557		<0.00007	EPA508	0.00007	4/5/91
2364	Dieldrin	16557		<0.00001	EPA508	0.00001	4/5/91
2440	Dicamba	16557		<0.00001	EPA515	0.00001	4/12/91
2959	Chlordane	16557		<0.00001	EPA508	0.00001	4/5/91
9114	Pentachlorophenol	16557		<0.005	EPA515	0.005	4/10/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16557		<0.001	EPA508	0.001	4/12/91
2063	Dioxin	16557		<0.00001	EPA613	0.00001	4/5/91
2262	Isophorone	16557		<0.001	EPA609	0.001	4/10/91
2270	2,4-dinitrotoluene	16557		<0.001	EPA609	0.001	4/10/91
2282	Dimethylphthalate	16557		<0.001	EPA606	0.001	4/10/91
2284	Diethylphthalate	16557		<0.001	EPA606	0.001	4/10/91
2290	Di-n-butylphthalate	16557		<0.001	EPA606	0.001	4/10/91
2294	Butyl benzyl phthalate	16557		<0.001	EPA606	0.001	4/10/91
2298	Bis(2-ethylhexyl)phthalate	16557		<0.001	EPA606	0.001	4/10/91
2378	1,2,4-trichlorobenzene	16557		<0.001	EPA612	0.001	4/10/91
2388	PCB 1016	16557		<0.0001	EPA505	0.0001	4/5/91
2390	PCB 1221	16557		<0.0001	EPA505	0.0001	4/5/91
2392	PCB 1232	16557		<0.0001	EPA505	0.0001	4/5/91
2394	PCB 1242	16557		<0.0001	EPA505	0.0001	4/5/91
2396	PCB 1248	16557		<0.0001	EPA505	0.0001	4/5/91
2398	PCB 1254	16557		<0.0001	EPA505	0.0001	4/5/91

2400	PCB 1260	16557	<0.0001	EPA505	0.0001	4/5/91
9089	Diethylphthalate	16557	<0.001	EPA606	0.001	4/10/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/l)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16557		<0.001	EPA604	0.001	4/10/91
9112	2-methyl-4,6-dinitrophe	16557		<0.001	EPA604	0.001	4/10/91
9115	Phenol	16557		<0.001	EPA604	0.001	4/10/91
9116	2,4,6-trichlorophenol	16557		<0.001	EPA604	0.001	4/10/91

Comments:



ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

CHEMICAL
LABORATORIES
INCORPORATED

CLIENT: SSU		ADDRESS:		PHONE:	
PROJECT NAME: B 91053		REQUIRED: ☐ Urgent ☒ Routine		DATE:	

Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES:	
	HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	60mL	125mL	250mL	500mL	1L	2L	Whirl-Pak Bag	40mL Vial	250mL	500mL	1L	2L		4L
1																				SWells 1 Sample NO AIR Bubbles
10														X					X	

Kit Relinquished:		Date:		Kit Received:		Date:	
		Time:				Time:	

Parameters: PO4 Unreg		Client Identification/Description: RAW WATER	
Laboratory Number: 16557			
{		Drw terris Well 1 20x150 well	
		Grnd terris Well 1	
		Imperv terris Well 1	
		Sky Crest Well 1	
		Well 2	
Sample Collection: James Smith		Date: 3-27-91	Time:
Transportation: James Smith		Date: 3-27-91	Time: 15:15
Lab Acceptance: [Signature]		Date: 3/27/91	Time: 3:16

Fern. Terrace

Temp. 75°

Cond 400

pH 7.5

DO 3.9

Cl₂ 1.0

Skycrest

Temp 78°

Cond 444

pH 7.1

DO 3.1

Cl₂ 1.0

Grand Terrace

Temp 72°

Cond 429

pH 7.0

DO 3.0

Cl₂ 1.0

Imperial Terrace

Temp 73°

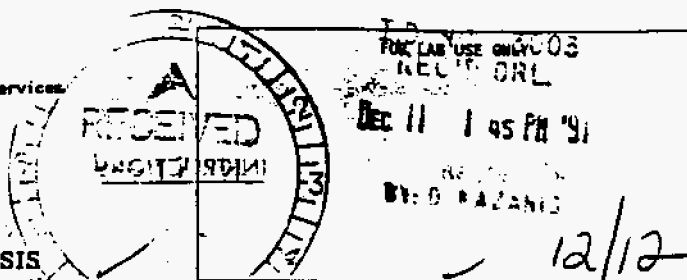
Cond 319

pH 7.5

DO 2.6

Cl₂ 1.2

HS
State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231



**DRINKING WATER
BACTERIOLOGICAL ANALYSIS**

SYSTEM NAME: Imperial Terrace #570 SYSTEM I.D. NO.: 3350584 SYSTEM PHONE #: 904-787-4504
ADDRESS: Riverchase COUNTY: Dade DER DISTRICT: Central
COLLECTOR: Dennis W. Moran COLLECTOR PHONE #: 904-326-4420
SAMPLE SITE (Locality or Subdivision): Terrace
DATE AND TIME COLLECTED: 12/11/91 9:15 am
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other (Specify)
(Check Box) (Check Box) (Check Box) (Check Box)
[] Distribution [] TWT or c [] Turbid [] Do not take sample from this water source (Specify)
REMARKS: Do not take sample from this water source (Specify)

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	ANALYSIS METHOD	NON COLIFORM	TOTAL	CONFIRM TOTAL	PA CONFIRM FECAL
W	Well	0	✓	053330	A			
T	Tank	12	7.5	053331	A			
R-1	11801 Magnolia	9	✓	053332	A			
R-2	11635 Highway	10	✓	053333	A			

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNTC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU Service
1000 Color Place
Apopka, Florida 32703

- () SATISFACTORY
- () INCOMPLETE COLLECTION INFORMATION
- () REPEAT SAMPLES
- () REPLACEMENT SAMPLES

REVIEWING OFFICIAL: OK

TITLE: DER

3100 Form 888, Jan 81 (Obsolete previous editions) (Check Number: 8760-000-0001-4)

Intercession City - 780

Osceola County (SSU)

Water

- 1992 FPSC Filing -

Intercession City

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	8/90
Organic	8/90
Volatile Organic Chemicals	3/91
	6/91
	9/91
	12/91
Turbidity	8/90
Microbiological	12/91
Radionuclide	4/91
Secondary Contaminants	8/90
Unregulated Contaminants	3/91



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

September 17, 1990

Ms. Marie Carrasquillo
Florida Department of Environmental Regulation
3319 Maguire Boulevard - Suite 232
Orlando, Florida 32807-3767

Re: Intercession City Water Treatment Plant - Osceola County
I.D. # 44 906 73

Dear Ms. Carrasquillo:

Please find enclosed the compliance analysis for primary organics and inorganics, secondary drinking water standards and turbidity for the Intercession City Water Treatment Facility.

Sincerely,


Sam Sparks
Area Supervisor

/rb

cc: Charles L. Sweat
Aaron Perlowich w/attachments
Osceola County Health Department w/attachments
Engineering w/attachments



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-08-370
Date Received: 08/30/90
Date Reported: 09/12/90
OLI Contact: E_HOBBS

Work ID: Intercession City
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Intercession City
02 Method Blank

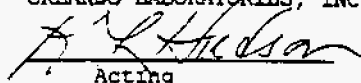
TEST CODES and NAMES used on this report
PWS026 Turbidity Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis

Copy of results to:

Southern States Utilities
Attn: Sam Sparks
1000 Color Place
Apopka, FL 32703

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting

LABORATORY DIRECTOR



Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-8588

ORLANDO LABORATORIES, INC.
Received: 08/30/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-370

SAMPLE ID Intercession City
DATE COLLECTED 08/30/90 10:00:00
TEST NAME Turbidity Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS026

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100 Turbidity			<1.0	EPA 180.1	08/30/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/30/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-370

SAMPLE ID Intercession City
DATE COLLECTED 08/30/90 10:00:00
TEST NAME Organic Chemical Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	08/31/90
2010 Lindane			0.00005 U	EPA 608	0.00005	08/31/90
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	08/31/90
2020 Toxaphene			0.00100 U	EPA 608	0.00100	08/31/90
2105 2,4-D			0.0020 U	EPA 615	0.0020	09/01/90
2110 2,4,5-TP (Silvex)			0.0010 U	EPA 615	0.0010	09/01/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/30/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-370

SAMPLE ID Intercession City
DATE COLLECTED 08/30/90 10:00:00
TEST NAME Inorganic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	09/02/90
1010 Barium			<0.100	EPA 200.7	0.100	09/07/90
1015 Cadmium			<0.005	EPA 213.2	0.005	09/07/90
1020 Chromium			<0.010	EPA 218.2	0.010	09/07/90
1025 Fluoride			<0.1	EPA 340.2	0.1	09/09/90
1030 Lead			<0.010	EPA 229.2	0.010	09/05/90
1035 Mercury			<0.0005	EPA 245.1	0.0005	09/05/90
1040 Nitrate (as N)			<0.03	EPA 252.2	0.03	09/07/90
1045 Selenium			<0.005	EPA 270.2	0.005	09/03/90
1050 Silver			<0.010	EPA 272.2	0.010	09/10/90
1055 Sodium			2.60	EPA 300.1	0.001	09/07/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/30/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 30-08-270

SAMPLE ID Intercession City
DATE COLLECTED 08/30/90 10:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			39.0	EPA 200.7	0.1	09/07/90
1017 Chloride			8.9	SM 407	1.0	08/30/90
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	09/07/90
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			0.18	EPA 340.2	0.1	09/04/90
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			<0.100	EPA 200.7	0.100	09/07/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	09/07/90
1055 Sulfate			67	EPA 375.4	1.0	09/04/90
1095 Zinc			<0.050	EPA 200.7	0.050	09/07/90
1901 Carbon Dioxide			1.8	SM 406 C	1.0	08/30/90
1905 Color (color units)			<5.0	EPA 270.2	5.000	08/31/90
1915 Total Hardness			97.0	EPA 200.7	0.050	09/07/90
1917 NCH vs. CaCO3			NOT ANALYZED			
1920 Odor			2.0	EPA 140.1	1	08/31/90
1924 Field pH (units)			7.6	EPA 150.1	N/A	08/30/90
1925 Lab pH (units)			7.38	EPA 150.1	N/A	08/30/90
1926 Field Conductivity			265	EPA 120.1	N/A	08/30/90

ORLANDO LABORATORIES, INC.
Received: 08/30/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-370
Continued From Above

SAMPLE ID Intercession City
DATE COLLECTED 08/30/90 10:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			76	EPA 310.1	2.0	08/30/90
1990 TDS			170	EPA 160.1	1.0	08/30/90
1921 Phenolphthalein ALK.			<2.0	EPA 310.1	2.0	08/30/90
1996 Field Temp. (C)			26	EPA 170.1	N/A	08/30/90
1997 Langlier Index pHs			7.95	CALC	N/A	09/10/90
1998 Saturation Index			-0.07	CALC	N/A	09/10/90
1999 Stability Index			8.02	CALC	N/A	09/10/90
2909 Foaming Agents			<0.1	EPA 425.1	0.1	08/31/90
9996 Field DO			4.0	EPA 360.1	0.1	08/30/90
9997 Field Chlorine			1.0	SM 408E	0.02	08/30/90

Comments:

FIELD DATA FURNISHED BY CLIENT.

ORLANDO LABORATORIES, INC.
Received: 08/30/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 30-08-270

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	08/31/90
2010 Lindane			0.00005 U	EPA 603	0.00005	08/31/90
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	08/31/90
2020 Toxaphene			0.00100 U	EPA 608	0.00100	08/31/90
2105 2,4-D			0.0020 U	EPA 615	0.0020	09/01/90
2110 2,4,5-TP (Silvex)			0.0010 U	EPA 615	0.0010	09/01/90

Comments:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-08-370
Page No: 8

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Arsenic	<1	104	09/02/90	CFG
Selenium	<1	101	09/03/90	CFG
Lead	8	107	09/06/90	JC
Mercury	<1	103	09/05/90	LG
Barium	<1	107	09/07/90	BB
Cadmium	<1	109	09/07/90	BB
Chromium	<1	100	09/07/90	BB
Sodium	1	108	09/07/90	BB
Copper	<1	103	09/07/90	BB
Iron	3	109	09/07/90	BB
Manganese	<1	97	09/07/90	BB
Zinc	<1	100	09/07/90	BB
Calcium	1	108	09/07/90	BB
Silver	<1	97	09/10/90	BB
Fluoride	3	83	09/04/90	CM
Nitrogen, Nitrite	<1	119	08/30/90	DR
Nitrogen, Nitrate	<1	100	09/06/90	DR
Chloride	<1	100	08/30/90	RJW
Sulfate	<1	105	09/04/90	KM
Color	<1	N/A	08/31/90	RJW
Odor	<1	N/A	08/31/90	RJW
TDS	<1	N/A	08/30/90	CM
MBAS	3	87	08/31/90	RAW
pH	<1	N/A	08/30/90	RAW
Total Alkalinity	3	98	08/30/90	RAW
Turbidity	4	N/A	08/30/90	RAW

ORLANDO LABORATORIES, INC.

Page No: 9

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 08-31-1990

LAB SAMPLE # : 9008350-01a
ANALYSIS DATE : 08/31/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	0	105	105	117	117	11
HEPTACHLOR	100	0	106	106	112	112	6
ALDRIN	100	0	104	104	110	110	6
DIELDRIN	100	0	108	108	108	108	8
ENDRIN	100	0	108	108	108	108	8
4,4-DDT	100	0	104	104	113	113	8
COMMENTS :							

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	56	123	15	46	127	58
HEPTACHLOR	40	131	20	35	138	31
ALDRIN	40	120	22	34	132	43
DIELDRIN	52	126	18	31	134	38
ENDRIN	56	121	21	42	139	45
4,4-DDT	38	127	27	23	134	58

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 09-05-1990

LAB SAMPLE # : 9008378-01A
ANALYSIS DATE : 09/01/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
PICLORAM	100	0	100	100	115	115	6
2,4,5-TP (silver)	100	0	96	96	95	95	1

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
PICLORAM	80	175	30	80	175	30
2,4,5-TP (silver)	80	175	30	80	175	30

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Intercession City
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Turbidity, Organic Chemistry, Inorganics & Secondaries.
Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 08 / 30 / 98
Laboratory Sample Number: 98-08-370
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special _____
Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 08/30/98 08/31/98
Laboratory Contact: Eric Malarek PUS023 PUS023
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical;
Secondary Chemical; Radiological; Unregulated Organic Purgable; Unregulated Organic Pesticide;
Unregulated Base Neutral Extractable; Unregulated Acid Extractable; (Check all analyses which apply.)

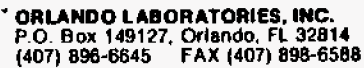
I do HEREBY CERTIFY that all data submitted is correct.

Signature: Eric Malarek
Name: Eric Malarek
Title: Quality Control Officer
Laboratory: Orlando Laboratories, Inc.
Date: 9-12-98

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



Page ____ of ____

[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0703



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 24, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32807-3767

Re: Drinking Water Compliance Analysis
for Intercession City Water System
ID #3490673

Dear Ms. Carrasquillo,

Please find enclosed for your records, Volatile Organics and Unregulated Contaminant analysis for the Intercession City water treatment plant, well #1 and #2.

These results are combined analysis with three (3) other Osceola County wells as listed in the analysis report.

Your continued cooperation and assistance as always, is greatly appreciated.

Sincerely,

SSU Services


Sam Sparks
Division Supervisor

SS/jlm

cc: Charles Sweat
Mel Fisher
Clara Dozier
Ralph Terrero
Osceola County
File

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU

1000 Color Place
Apopka, FL 32703

Date Reported: Mar 26 1991

PO Number: B91047

PO Number

 FDHRS Lab# : 83139
 FDER Lab# : E83018
 NCDEHNR Lab# : 296
 SCDHEC Lab# : 96019

For: Intercession City/Pine Ridge/Wind Song

Date Received:

Mar 4 1991

Lab Number : 16410

REPORT OF ANALYSIS

					16410
Parameter	Unit	Method	%ACC	%PREC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	115	2.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	118	2.66	<0.001
Vinyl chloride	mg/L	0.001	107	2.56	<0.001
1,1-dichloroethene	mg/L	0.001	107	2.56	<0.001
1,2-dichloroethane	mg/L	0.001	113	2.82	<0.001
1,1,1-trichloroethane	mg/L	0.001	104	2.74	<0.001
Carbon tetrachloride	mg/L	0.001	104	2.13	<0.001
Trichloroethene	mg/L	0.001	112	2.83	<0.001
Tetrachloroethene	mg/L	0.001	113	2.92	<0.001
Benzene	mg/L	0.001	99.2	2.16	<0.001
Chloromethane	mg/L	0.001	109	2.69	<0.001
Bromochlorofluorometh	mg/L	0.001	104	2.13	<0.001
Bromomethane	mg/L	0.001	109	2.69	<0.001
Chloroethene	mg/L	0.001	107	2.56	<0.001
Trichlorofluoromethane	mg/L	0.001	104	2.13	<0.001
trans-1,3-dichloroprop	mg/L	0.001	115	3.22	<0.001
cis-1,2-dichloroprop	mg/L	0.001	113	2.10	<0.001
Methyl-tert-butyleth	mg/L	0.001	103	2.005	<0.001
cis-1,2-dichloroethene	mg/L	0.001	113	2.10	<0.001
Bromomethane	mg/L	0.001	109	2.69	<0.001
1,1-dichloropropene	mg/L	0.001	109	2.17	<0.001
1,3-dichloropropene	mg/L	0.001	115	3.22	<0.001
1,2,3-trichloropropene	mg/L	0.001	111	2.69	<0.001
1,2-dichloropropene	mg/L	0.001	107	2.56	<0.001
1,3-dichloroisobutylene	mg/L	0.001	111	2.69	<0.001
Chloroform	mg/L	0.001	103	2.14	<0.001

Data Release Authorization

 Same integrity and reliability certified by Lab personnel prior to analysis.
 Methods for analysis in accordance with FCL QA and EPA approved methodology.

 Jeffrey L. Flowers, Ph.D.
 Technical Director

 Jeffrey L. Flowers, Ph.D.
 Jeffrey L. Flowers, Ph.D.
 481 NEWBURYPORT
 P.O. BOX 150-567
 ALTAMONTE SPRINGS
 FLORIDA 32714-0567
 407-327-5554
 407-327-5555



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Colon Place
Apopka, FL 32703

Date Reported: Mar 26 1991

PO Number: B91047

PO Number

FDHRS Lab# : 83139

FDER Lab# : E22018

NCDEHNR Lab# : 296

SCDHEC Lab# : 26019

For: Intercession City/Pine Ridge/Wind Song

Date Received:

Mar 4 1991

Lab Number : 16410

REPORT OF ANALYSIS

Parameter	Unit	Method	WACC	WPRC	16410
		Detection			
		Limit			
Bromoform	mg/L	0.001	117	7.51	<0.001
Bromodichloromethane	mg/L	0.001	120	1.984	<0.001
Dibromodichloromethane	mg/L	0.001	115	1.16	<0.001
o-xylene	mg/L	0.001	104	3.33	<0.001
Methylenedichloride	mg/L	0.001	109	1.669	<0.001
o-chlorotoluene	mg/L	0.001	110	5.28	<0.001
p-chlorotoluene	mg/L	0.001	98.1	2.92	<0.001
m-dichlorobenzene	mg/L	0.001	119	2.77	<0.001
o-dichlorobenzene	mg/L	0.001	109	4.27	<0.001
1,1-dichloroethane	mg/L	0.001	103	1.39	<0.001
trans-1,2-dichloroeth	mg/L	0.001	109	2.97	<0.001
1,2-dichloropropane	mg/L	0.001	109	1.352	<0.001
1,1,2-trichloroethane	mg/L	0.001	113	11.2	<0.001
1,1,1,2-tetrachloroeth	mg/L	0.001	114	3.52	<0.001
1,1,1,2,2-pentachloroeth	mg/L	0.001	115	10.3	<0.001
Chlorobenzene	mg/L	0.001	105	1.53	<0.001
Toluene	mg/L	0.001	98.1	2.92	<0.001
Ethylbenzene	mg/L	0.001	98.1	1.933	<0.001
Bromobenzene	mg/L	0.001	105	1.53	<0.001
m-xylene	mg/L	0.001	104	3.33	<0.001
Styrene	mg/L	0.001	98.1	2.92	<0.001
p-xylene	mg/L	0.001	104	3.33	<0.001
Diisobutyl	mg/L	0.000001	24.3	1.27	<0.000001
Quaternary	mg/L	0.002	101	16.8	<0.002
Dimazine	mg/L	0.007	99.8	1.22	<0.007
Pyridine	mg/L	0.00007	107	9.37	<0.00007

Date Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

[Signature]
Jefferson L. Flowers, Ph.D.
Laboratory Director

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
451 NEWBURYPORT
P.O. BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32105-0597
352-327-1000
352-327-1001

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Mar26 1991

PO Number: 891047

PO Number
FDHRS Lab# : 83139
FOER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Intercession City/Pine Ridge/Wind Song
Date Received: Mar 4 1991

Lab Number : 16410

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	16410
		Detection Limit			
Dinoseb	mg/L	0.00001	108	7.20	<0.00001
Aldicarb sulfonide	mg/L	0.0002	83.9	1.000	<0.0002
Aldicarb sulfone	mg/L	0.0002	100	15.1	<0.0002
Metolachlor	mg/L	0.00005	102	5.55	<0.00005
Carbofuran	mg/L	0.0001	100	5.84	<0.0001
Aldicarb	mg/L	0.0002	92.0	4.71	<0.0002
Atrazine	mg/L	0.0002	101	1.19	<0.0002
Alachlor (Lasso)	mg/L	0.00002	102	11.3	<0.00002
Heptachlor	mg/L	0.000005	89.3	2.71	<0.000005
Aldrin	mg/L	0.00007	110	1.02	<0.00007
Dieldrin	mg/L	0.00001	91.5	1.773	<0.00001
Dicamba	mg/L	0.00001	107	7.97	<0.00001
Chlorobenzene	mg/L	0.00001	100	2.39	<0.00001
Permethrin	mg/L	0.0005	104	2.99	<0.0005
Permethrin	mg/L	0.0001	104	7.52	<0.0001
Dioxin	mg/L	0.00001	97.7	2.61	<0.00001
Dieldrin	mg/L	0.0001	99.2	19.0	<0.0001
2,4-dinitrochlorobenzene	mg/L	0.0001	99.0	1.857	<0.0001
Dimethylphthalate	mg/L	0.0001	97.2	1.582	<0.0001
Diethylphthalate	mg/L	0.0001	97.4	11.8	<0.0001
Di-n-butylphthalate	mg/L	0.0001	101	0.9	<0.0001
Butyl benzoate	mg/L	0.0001	99.0	4.37	<0.0001
Diethylhexylphthalate	mg/L	0.0001	102	5.68	<0.0001
1,2,4-trichlorobenzene	mg/L	0.0001	97.4	18.1	<0.0001
PCE_1010	mg/L	0.0001	97.7	2.75	<0.0001
PCE_1021	mg/L	0.0001	99.0	1.30	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jeffrey L. Flowers, P.O.
Director

Jeffrey L. Flowers, P.O.
Jeffrey L. Flowers, P.O.
461 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32718-0597
BUS 407 110-5780
FAX 407 110-5787

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32702

Date Reported: Mar 26 1991

PO Number: 591047

PO Number

FDHRS Lab# : 83129

FDER Lab# : E82018

NCDEHNR Lab# : 296

SCDHEC Lab# : 76019

For: Intercession City/Pine Ridge/Wind Song

Date Received:

Mar 4 1991

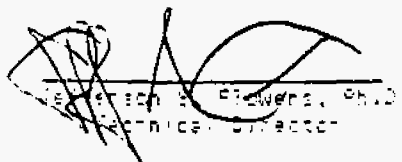
Lab Number : 16410

REPORT OF ANALYSIS

16410					
Parameter	Unit	Method	WACC	WPRC	
		Detection			
		Limit			
PCB_1232	mg/L	0.0001	102	2.36	<0.0001
PCB_1242	mg/L	0.0001	102	2.08	<0.0001
PCB_1248	mg/L	0.0001	98.4	2.01	<0.0001
PCB_1254	mg/L	0.0001	96.6	1.76	<0.0001
PCB_1260	mg/L	0.0001	101	1.559	<0.0001
Dioctyltinolate	mg/L	0.001	100	2.03	<0.001
2-np octadecanol	mg/L	0.001	94.0	3.02	<0.001
2-methyl-4-chloronitro	mg/L	0.001	100	2.37	<0.001
Phenol	mg/L	0.001	105	4.00	<0.001
2,4,6-trichlorophenol	mg/L	0.001	91.8	7.70	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to data release.
Methods of analysis in accordance with FCL OR and EPA approved methodology.


Jefferson L. Flowers, Ph.D.
Technical Director

Page - 2 of 2

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURGH RD
P O BOX 150597
MIAMI SPRING
FLORIDA 33156-5977
TEL 305 336-5554
FAX 305 336-5555

0708

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2490673
Public Water System Name: 10 Townships or City Oscar Co
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 16410
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 3/17/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 3/26/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16410	.00002	<.000005	EPA504.1	.000005	3/22/91
2969	Para-dichlorobenzene	16410	.075	<0.001	EPA502.2	0.001	3/17/91
2976	Vinyl chloride	16410	0.001	<0.001	EPA502.2	0.001	3/17/91
2977	1,1-dichloroethene	16410	0.007	<0.001	EPA502.2	0.001	3/17/91
2980	1,2-dichloroethane	16410	0.003	<0.001	EPA502.2	0.001	3/17/91
2981	1,1,1-trichloroethane	16410	0.2	<0.001	EPA502.2	0.001	3/17/91
2982	Carbon tetrachloride	16410	0.003	<0.001	EPA502.2	0.001	3/17/91
2984	Trichloroethene	16410	0.003	<0.001	EPA502.2	0.001	3/17/91
2987	Tetrachloroethene	16410	0.003	<0.001	EPA502.2	0.001	3/17/91
2990	Benzene	16410	0.001	<0.001	EPA502.2	0.001	3/17/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16410		<0.001	EPA502.2	0.001	3/17/91
2212	Dichlorodifluoromethane	16410		<0.001	EPA502.2	0.001	3/17/91
2214	Bromomethane	16410		<0.001	EPA502.2	0.001	3/17/91
2216	Chloroethane	16410		<0.001	EPA502.2	0.001	3/17/91
2218	Trichlorofluoromethane	16410		<0.001	EPA502.2	0.001	3/17/91
2224	trans-1,3-dichloropropene	16410		<0.001	EPA502.2	0.001	3/17/91
2228	cis-1,3-dichloropropene	16410		<0.001	EPA502.2	0.001	3/17/91
2251	Methyl-tert-butylether	16410		<0.001	EPA502.2	0.001	3/17/91
2380	cis-1,2-dichloroethene	16410		<0.001	EPA502.2	0.001	3/17/91
2408	Dibromomethane	16410		<0.001	EPA502.2	0.001	3/17/91
2410	1,1-dichloropropene	16410		<0.001	EPA502.2	0.001	3/17/91
2412	1,3-dichloropropane	16410		<0.001	EPA502.2	0.001	3/17/91
2414	1,2,3-trichloropropane	16410		<0.001	EPA502.2	0.001	3/17/91
2416	2,2-dichloropropane	16410		<0.001	EPA502.2	0.001	3/17/91
2931	1,2-dibromo-3-chloropropane	16410		<0.001	EPA502.2	0.001	3/17/91
2941	Chloroform	16410		<0.001	EPA502.2	0.001	3/17/91
2942	Bromoform	16410		<0.001	EPA502.2	0.001	3/17/91
2943	Bromodichloromethane	16410		<0.001	EPA502.2	0.001	3/17/91
2944	Dibromochloromethane	16410		<0.001	EPA502.2	0.001	3/17/91
2962	p-xylene	16410		<0.001	EPA502.2	0.001	3/17/91
2964	Methylene chloride	16410		<0.001	EPA502.2	0.001	3/17/91
2965	o-chlorotoluene	16410		<0.001	EPA502.2	0.001	3/17/91
2966	p-chlorotoluene	16410		<0.001	EPA502.2	0.001	3/17/91
2967	m-dichlorobenzene	16410		<0.001	EPA502.2	0.001	3/17/91
2968	o-dichlorobenzene	16410		<0.001	EPA502.2	0.001	3/17/91
2978	1,1-dichloroethane	16410		<0.001	EPA502.2	0.001	3/17/91
2979	trans-1,2-dichloroethene	16410		<0.001	EPA502.2	0.001	3/17/91
2983	1,2-dichloropropane	16410		<0.001	EPA502.2	0.001	3/17/91

2985	1,1,2-trichloroethane	16410	<0.001	EPA502.2	0.001	3/17/91
2986	1,1,1,2-tetrachloroethane	16410	<0.001	EPA502.2	0.001	3/17/91
2986	1,1,2,2-tetrachloroethane	16410	<0.001	EPA502.2	0.001	3/17/91
2989	Chlorobenzene	16410	<0.001	EPA502.2	0.001	3/17/91
2991	Toluene	16410	<0.001	EPA502.2	0.001	3/17/91
2992	Ethylbenzene	16410	<0.001	EPA502.2	0.001	3/17/91
2993	Bromobenzene	16410	<0.001	EPA502.2	0.001	3/17/91
2995	m-xylene	16410	<0.001	EPA502.2	0.001	3/17/91
2996	Styrene	16410	<0.001	EPA502.2	0.001	3/17/91
2997	o-xylene	16410	<0.001	EPA502.2	0.001	3/17/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16410		<0.000001	EPA515	0.000001	3/18/91
2036	Oxamyl (Vydate)	16410		<0.002	EPA531	0.002	3/14/91
2037	Slimazine	16410		<0.007	EPA505	0.007	3/18/91
2040	Picloram	16410		<0.000007	EPA515	0.000007	3/18/91
2041	Dinoseb	16410		<0.000001	EPA515	0.000001	3/18/91
2043	Aldicarb sulfoxide	16410		<0.002	EPA531	0.002	3/14/91
2044	Aldicarb sulfone	16410		<0.002	EPA531	0.002	3/14/91
2045	Metolachlor	16410		<0.0005	EPA505	0.0005	3/18/91
2046	Carbofuran	16410		<0.001	EPA531	0.001	3/14/91
2047	Aldicarb	16410		<0.002	EPA531	0.002	3/14/91
2050	Atrazine	16410		<0.002	EPA505	0.002	3/18/91
2051	Alachlor (Lasso)	16410		<0.0002	EPA505	0.0002	3/18/91
2065	Heptachlor	16410		<0.000005	EPA508	0.000005	3/15/91
2356	Aldrin	16410		<0.000007	EPA508	0.000007	3/15/91
2364	Dieldrin	16410		<0.000001	EPA508	0.000001	3/15/91
2440	Dicamba	16410		<0.000001	EPA515	0.000001	3/15/91
2959	Chlordane	16410		<0.000001	EPA508	0.000001	3/15/91
9114	Pentachlorophenol	16410		<0.005	EPA515	0.005	3/15/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16410		<0.001	EPA508	0.001	3/15/91
2063	Dioxin	16410		<0.000001	EPA613	0.000001	3/15/91
2262	Isophorone	16410		<0.001	EPA609	0.001	3/22/91
2270	2,4-dinitrotoluene	16410		<0.001	EPA609	0.001	3/22/91
2282	Dimethylphthalate	16410		<0.001	EPA606	0.001	3/22/91
2284	Diethylphthalate	16410		<0.001	EPA606	0.001	3/22/91
2290	Di-n-butylphthalate	16410		<0.001	EPA606	0.001	3/22/91
2294	Butyl benzyl phthalate	16410		<0.001	EPA606	0.001	3/22/91

2298	Bis(2-ethylhexyl)phthal	16410
2378	1,2,4-trichlorobenzene	16410
2382	PCB-1016	16410
2390	PCB-1221	16410
2392	PCB-1232	16410
2394	PCB-1242	16410
2396	PCB-1248	16410
2398	PCB-1254	16410
2400	PCB-1260	16410
9089	Diethylphthalate	16410

Comments:

<0.001	EPA606	0.001	3/22/91
<0.001	EPA612	0.001	3/22/91
<0.0001	EPA505	0.0001	3/15/91
<0.0001	EPA505	0.0001	3/15/91
<0.0001	EPA505	0.0001	3/15/91
<0.0001	EPA505	0.0001	3/15/91
<0.0001	EPA505	0.0001	3/15/91
<0.0001	EPA505	0.0001	3/15/91
<0.0001	EPA505	0.0001	3/15/91
<0.001	EPA606	0.001	3/22/91

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16410		<0.001	EPA604	0.001	3/22/91
9112	2-methyl-4,6-dinitophe	16410		<0.001	EPA604	0.001	3/22/91
9115	Phenol	16410		<0.001	EPA604	0.001	3/22/91
9116	2,4,6-trichlorophenol	16410		<0.001	EPA604	0.001	3/22/91

Comments:

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATEDANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

Sam Sparks

CLIENT: <i>SSU</i>	ADDRESS: <i>1000 Calan Place Apopka, FL 32703</i>	PHONE: <i>880-0058</i> x16
PROJECT NAME: <i>B91047</i>	REQUIRED: ☐ Urgent ☒ Routine	DATE: _____

Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES:
	HNO ₃	H ₂ SO ₄	HCl	Na ₂ SO ₃	Zn(C ₂ H ₃ O ₂)/NaOH	NaOH/Ascorbic Acid	60mL	125mL	250mL	500mL	1L	2L	Whit Pak Bag	40mL Vial	250mL	500mL	1L	2L	
QTY																			
<i>10</i>														<i>X</i>					
<i>1</i>																		<i>X</i>	

Kit Relinquished: *[Signature]* Date: _____ Time: _____

Kit Received: _____ Date: _____ Time: _____

Parameters: *Doc UN Reg*

Laboratory Number: *#780*

Client Identification/Description: *Intercession City*

#782 16410

#783

Pine Ridge

Wind Song

Sample Collection: *Bill Linder* Date: *3/3/91* Time: *9:30*

Transportation: *Bill Linder* Date: *3/4/91* Time: _____

Lab Acceptance: *[Signature]* Date: *3/4/91* Time: *1:40*

Page _____ of _____

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.451 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
TEL 407 320-4064



General Offices

1000 Color Place
Apopka, FL 32703
[407] 880-0058

April 23, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32807-3767

Re; Gross Alpha
Intercession City ID #3490673

Dear Ms. Carrasquillo,

Please find enclosed for your records, the Gross Alpha analysis for Intercession City.

Please make these a part of your records.

Your cooperation and assistance as always, is greatly appreciated.

Sincerely,

SSU Services

Sam Sparks
Division Supervisor

SS/jlm

cc: Charles Sweat
Mel Fisher
Clara Dozier
Osceola County Health Department
Ralph Terrero
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: April 9 1991

PO Number: 22372

PO Number Intercession

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

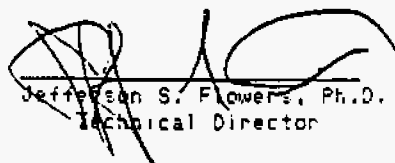
Lab Number : 16553

REPORT OF ANALYSIS

16553			
Parameter	Unit	Method	MAQC %PRC
		Detection	
		Limit	
Gross alpha incl. Ra	pCi/L	1	2.9

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

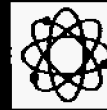

Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 399-5984
FAX 407 350-4110

0715

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client SSU
Address 1000 COLOR PLACE
APOPKA, FL 32703
Phone (880-0100)

FCL Client No. S033
FCL Project Manager LAURIE SPARKS
FCL Lab Coordinator Steve Welsh
Requested Due Date: _____

P.O. Number 22373
Project Name / No. Intercession City #41101
Contact SAM SPARKS Phone # 781

Sampled By (PRINT): William Trendel
William Trendel 3/27/91
Sampler Signature Date Sampled

NO. OF CONTAINERS	PRESERVATIVES					ANALYSES REQUEST									
	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl											
						G.A.									

\$35.00

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl										
1				16553															
2																			
3																			
4																			
5																			
6																			

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE	<u>Steve Welsh</u>	3-21		<u>[Signature]</u>	3/27	3:10
SPECIAL INSTRUCTIONS									

SHIP WITH SAMPLES/TO BE RETURNED WITH RESIDUE

0716

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3490673
Public Water System Name: Intracession City Ocala Co.
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☒;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number For Radiological Parameters: HRS82138

SAMPLE INFORMATION

Sample Date (MMDDYY): _____
Laboratory Sample Number: 16553
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: ____/____/____
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (che ☐ Yes ☒ No)
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name: Dr. Jefferson S Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/18/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(pCi/l)	Analytical Method	Det.Limit Used	Analysis Date
4000	Gross alpha incl. Ra & U	16553	5	2.9	EPA900	1	4/18/91
Comments:							



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

June 28, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32807-3767

Re: Drinking Water Compliance Analysis
Intercession City Water System
ID #3490673

Dear Ms. Carrasquillo,

Please find enclosed for your records, second quarter Volatile Organic analysis for the Intercession City water treatment plant, wells #1 and #2.

These results are combined analysis with three (3) other Osceola County wells as listed in the analysis report.

Your continued cooperation and assistance as always, is greatly appreciated.

Sincerely,

SSU Services

Sam Sparks
Sam Sparks
Division Supervisor

SS/jlm

cc: Charles Sweat
Mel Fisher
Clara Dozier
Osceola County
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Jun11 1991

PO Number: 391045

PO Number SSU

FDHRS Lab# : 83139

FDER Lab# : E68015

NCDEHNR Lab# : 296

SCDHEC Lab# : 96819

For: COMP. SAMPLE

Date Received:

Jun 6 1991

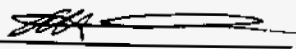
Lab Number : 17110

REPORT OF ANALYSIS

Parameter	Unit	Method	MAAD	MPRO	17110
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	95.4	5.91	0.000005
Permethrin/benzene	mg/L	0.001	104	1.587	0.001
Methyl chloride	mg/L	0.001	112	7.56	0.001
1,1-dichloroethene	mg/L	0.001	112	7.56	0.001
1,1,2-dichloroethane	mg/L	0.001	107	1.39	0.001
1,1,1-trichloroethane	mg/L	0.001	110	1.681	0.001
Carbon tetrachloride	mg/L	0.001	110	1.06	0.001
Trichloroethene	mg/L	0.001	111	1.789	0.001
Tetrachloroethene	mg/L	0.001	107	1.740	0.001
Benzene	mg/L	0.001	105	1.268	0.001

Data Release Authorization

Sample integrity and reliability were checked by Lab personnel prior to analysis.
Methods of analysis in accordance with EPA QA and EPA approved methods only.


Andrew Harrison
Laboratory Manager

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 260-6110

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17110	.00002	<.000005	EPA504.1	.000005	6/7/91
2969	Para-dichlorobenzene	17110	.075	<0.001	EPA502.2	0.001	6/7/91
2976	Vinyl chloride	17110	0.001	<0.001	EPA502.2	0.001	6/7/91
2977	1,1-dichloroethene	17110	0.007	<0.001	EPA502.2	0.001	6/7/91
2980	1,2-dichloroethane	17110	0.003	<0.001	EPA502.2	0.001	6/7/91
2981	1,1,1-trichloroethane	17110	0.2	<0.001	EPA502.2	0.001	6/7/91
2982	Carbon tetrachloride	17110	0.003	<0.001	EPA502.2	0.001	6/7/91
2984	Trichloroethene	17110	0.003	<0.001	EPA502.2	0.001	6/7/91
2987	Tetrachloroethene	17110	0.003	<0.001	EPA502.2	0.001	6/7/91
2990	Benzene	17110	0.001	<0.001	EPA502.2	0.001	6/7/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3490673
Public Water System Name: Intercession City
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17110
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: / /
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check) Yes ☐ (X) No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: Andrew B. Harrison

Name: Andrew B. Harrison

Title: Laboratory Manager

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 6/10/91

DER/ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

FORM 1000
FDRS Lab 83010
FDRS Lab 83130
FDRS Lab 83130
FDRS Lab 83130

ANALYTICAL & CONSULTING CHEMISTS
CHART OF CUSTODY RECORD
DRINKING WATER 17-950

Attn: Sam Sparks

(1) Client: ESL (2) Address: 1000 1/2 Maple Ave. Ft. 32703 (3) Phone: RA-XXXX

(4) Public Drinking Water ID #: B91045 (5) Public Water System Name: RA-XXXX

(6) Project #: B91045 (7) Public Water System Type: Community

(8) Community: Community (9) Non-Community: Non-Community (10) Special Non-Community: Special Non-Community

Preservative	Plastic Containers				Glass Containers				Notes:
	100ml	125ml	250ml	500ml	1L	2L	4L		
100ml									Turn Around Time: 10 Working Days: 5 Working Days: 3 Working Days: 1 Working Day: Other:
125ml									
250ml									Intercession City 2 wells Pine Ridge Estates 2 wells Windsor 1 well 5 wells, <u>ACZ Conf</u>
500ml									
1L									
2L									
4L									

(11) Kit Relinquished: Attn: Sam Sparks (12) Date: 6-24 (13) Time: 11:00

(14) Kit Received: Attn: Sam Sparks (15) Date: 6-24 (16) Time: 11:00

SAMPLE INFORMATION; SAMPLE DATE: MONTH _____ DATE _____ YEAR _____

SAMPLE TYPE (check all applicable): () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 () raw, () well, () resample _____, () special _____

SAMPLER'S NAME: Richard E. K. TITLE: Operator II PHONE: _____

SAMPLER'S SIGNATURE: Richard E. K.

NOTES:

(No Air Bubble
Keep Cool)

(17) Parameter Group(s) Analyzed: Turbidity; Inorganic; Halomethanes; Volatile Organic;
 Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide;
 Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable

(18) Laboratory Number: 17110 (19) Client Sample Identification

Sample ID	Sample Description	Sample Date	Sample Time
01	Intercession City, Well #1	6/24	11:00
02	Intercession City, Well #2	6/24	11:00
03	Intercession City, Well #3	6/24	11:00
04	Intercession City, Well #4	6/24	11:00
05	Intercession City, Well #5	6/24	11:00
06	Intercession City, Well #6	6/24	11:00
07	Intercession City, Well #7	6/24	11:00
08	Intercession City, Well #8	6/24	11:00
09	Intercession City, Well #9	6/24	11:00
10	Intercession City, Well #10	6/24	11:00

(20) Collector's Signature: Richard E. K. (21) Date: 6/24 (22) Time: 11:00

(23) Transporter's Signature: Richard E. K. (24) Date: 6/24 (25) Time: 11:00

(26) Lab Acceptance By: Richard E. K. (27) Date: 6/24 (28) Time: 11:00

OVER FOR INSTRUCTIONS FOR COLLECTION



October 3, 1991

General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Drinking Water Compliance Analysis
Intercession City Water System
PWS ID #3490673

Dear Ms. Carrasquillo,

Please find enclosed for your records, third quarter Volatile Organic analysis for the Intercession City treatment plant, well #1 and #2.

These results are combined analysis with three (3) other Osceola County wells as listed in the analysis report.

Your continued cooperation and assistance as always, is appreciated.

Sincerely,

SSU Services

Sam Sparks
Area Supervisor

SS/jlm

cc: Charles Sweat
Frank Sanderson
Mel Fisher
Clara Dozier
Osceola County
File

1561047
FLOWERS**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Sep23 1991

PO Number: HOLD REPORT

PO Number Various

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: COMP. SAMPLE

Date Received:

Sep18 1991

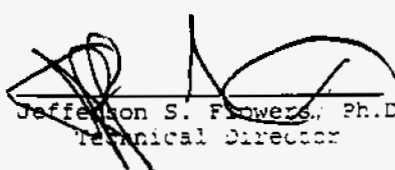
Lab Number : 17839

REPORT OF ANALYSIS

					17839
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	109	.921	<0.000005
Para-dichlorobenzene	mg/L	0.001	97.6	5.31	<0.001
Vinyl chloride	mg/L	0.001	116	9.11	<0.001
1,1-dichloroethene	mg/L	0.001	116	9.11	<0.001
1,2-dichloroethane	mg/L	0.001	105	9.35	<0.001
1,1,1-trichloroethane	mg/L	0.001	109	9.18	<0.001
Carbon tetrachloride	mg/L	0.001	108	9.60	<0.001
Trichloroethene	mg/L	0.001	103	9.16	<0.001
Tetrachloroethene	mg/L	0.001	89.7	6.95	<0.001
Benzene	mg/L	0.001	102	7.68	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALACHUA SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 260-6110

0725

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3490673
Public Water System Name: Intercession City
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17839
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: / /
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check) Yes ☐ No ☒
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 9/20/91

DER / ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA-01 Sample Interpretation (check one):
Effective 06/01/88 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17839	.00002	<.000005	EPA504.1	.000005	9/19/91
2969	Para-dichlorobenzene	17839	.075	<0.001	EPA502.2	0.001	9/19/91
2976	Vinyl chloride	17839	0.001	<0.001	EPA502.2	0.001	9/19/91
2977	1,1-dichloroethene	17839	0.007	<0.001	EPA502.2	0.001	9/19/91
2980	1,2-dichloroethane	17839	0.003	<0.001	EPA502.2	0.001	9/19/91
2981	1,1,1-trichloroethane	17839	0.2	<0.001	EPA502.2	0.001	9/19/91
2982	Carbon tetrachloride	17839	0.003	<0.001	EPA502.2	0.001	9/19/91
2984	Trichloroethene	17839	0.003	<0.001	EPA502.2	0.001	9/19/91
2987	Tetrachloroethene	17839	0.003	<0.001	EPA502.2	0.001	9/19/91
2990	Benzene	17839	0.001	<0.001	EPA502.2	0.001	9/19/91
Comments:							



CHEMICAL
LABORATORY
INCORPORATED

FOER Lab E83018
FOHRS Lab E8108
NCEH Lab 286
SCHEC Lab E8019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

ATTN: Sam Sparks

(1) Client: SSU (2) Address: 1000 COLOR PLACE
AROPKA, FL 32703 (3) Phone: 850-0058

(4) Public Drinking Water ID #: _____ (5) Public Water System Name: _____

(6) Project #: _____ (8) Public Water System Type: _____

(7) PWS: ☒ Community ☐ Non-Community ☐ Special Non-Community

	Preservative		Plastic Containers				Glass Containers				NOTES
	1000	2000	60ml	120ml	250ml	500ml	100ml	250ml	500ml		
(15) 15											(12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____
											Intercession City - 2 wells #3490673
											Pine Ridge Est - 2 wells #3494292
											Windsong - 1 well #3494291

(17) Kit Relinquished: R. Sebeck (17) Date: 9-18-91 (18) Kit Received: _____ (18) Date: _____

(19) Time: 11:00am (19) Time: _____

(10) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable

(18) Laboratory Number: 17839 (11) Client Sample Identification

#1	
#2	
#3	
#4	
#5	
#6	
#7	
#8	
#9	
#10	

(13) Collector's Signature: Bill J. J. J. Date: 9/18 Time: _____

(14) Transporter's Signature: Bill J. J. J. Date: 9/18 Time: 3:25

(15) Lab Acceptance By: M. M. C. C. Date: 9/18 Time: 3:30

Over for numbered instructions.



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

January 2, 1992

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, FL 32807-3767

**Re: Drinking Water Compliance Analysis
Intercession City / PWS ID # 3490673**

Dear Ms. Carrisquillo:

Please find enclosed for your records, fourth quarter Volatile Organic analysis for the Intercession City water treatment plant, well # 1 and well # 2.

These results are combined with two other Osceola County wells as listed in the analysis report.

Your continued cooperation and assistance as always, is appreciated.

Sincerely,

Sam Sparks,
Area Supervisor

\csd

cc: Jim Ragsdale - *marjole*
Frank Sanderson
Mel Fisher
Jim Murray
Osceola County w/ attachments

File Copy

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Dec19 1991

PO Number: L114113

PO Number Osceola Cty.

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: INTER.CITY COMP.

Date Received:

Dec11 1991

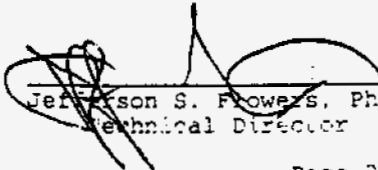
Lab Number : 18477

REPORT OF ANALYSIS

					18477
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	99.5	10.7	<0.000005
Para-dichlorobenzene	mg/L	0.001	84.3	4.25	<0.001
Vinyl chloride	mg/L	0.001	86.9	.367	<0.001
1,1-dichloroethene	mg/L	0.001	86.9	.367	<0.001
1,2-dichloroethane	mg/L	0.001	85.2	5.21	<0.001
1,1,1-trichloroethane	mg/L	0.001	84.6	5.21	<0.001
Carbon tetrachloride	mg/L	0.001	84.1	5.81	<0.001
Trichloroethene	mg/L	0.001	92.8	6.06	<0.001
Tetrachloroethene	mg/L	0.001	84.5	1.13	<0.001
Benzene	mg/L	0.001	84.1	3.18	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 2

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
AZAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

0730

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3490673
Public Water System Name: Intercession City
Public Water System Type (check one):
☐ Communit ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic_X___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 18476
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: / /
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ☐ Yes ☒ No)
ANALYSIS SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 12/18/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18476	.00002	<.000005	EPA504.1	.000005	12/18/91
2969	Para-dichlorobenzene	18476	.075	<0.001	EPA502.2	0.001	12/12/91
2976	Vinyl chloride	18476	0.001	<0.001	EPA502.2	0.001	12/12/91
2977	1,1-dichloroethene	18476	0.007	<0.001	EPA502.2	0.001	12/12/91
2980	1,2-dichloroethane	18476	0.003	<0.001	EPA502.2	0.001	12/12/91
2981	1,1,1-trichloroethane	18476	0.2	<0.001	EPA502.2	0.001	12/12/91
2982	Carbon tetrachloride	18476	0.003	<0.001	EPA502.2	0.001	12/12/91
2984	Trichloroethene	18476	0.003	<0.001	EPA502.2	0.001	12/12/91
2987	Tetrachloroethene	18476	0.003	<0.001	EPA502.2	0.001	12/12/91
2990	Benzene	18476	0.001	<0.001	EPA502.2	0.001	12/12/91

Comments:

CHEMICAL
LABORATORIES
INCORPORATED
 FDR Lab E80018
 FDRS Lab E8108
 NCEHWR Lab 294
 SCHEC Lab 38018

 ANALYTICAL & CONSULTING CHEMISTS
 CHAIN OF CUSTODY RECORD
 DRINKING WATER 17-350

ATTN: BTU

(1) Client SSU		(2) Address 1000 Colaplace, Apopka		(3) Phone 4071-2430	
(4) Public Drinking Water ID #		(5) Public Water System Name:			
(6) Project #		(8) Public Water System Type			
(7) POC: OSCEOLA CITY		☒ Community () Non-Community () Special Non-Community			
Preservative		Plastic Containers		Glass Containers	
INFO ZINCACON 80ml 125ml 250ml 500ml IL Whirl-Pac Bag		40ml 250ml 500ml IL 2L 5L		NOTES: (12) Turn Around Time: 10 Working Days : 5 Working Days : 3 Working Days : 1 Working Day : Other (WTD) Same - (1 well) #3494291	
(16) 20		☒		TROPICAL PK - (2 wells) ID # 3491958 BAY LAKE - (1 well) ID # 3490090 LAKE ASAY - (1 well) ID # 3491956 INTERCESSION CITY - (2 wells) ID # 3490073 PINE RIDGE - (2 wells)	
(17) Kit Relinquished: Kay H.		(17) Date 12-5-91		(9) Kit Received	
		(17) Time H:MM		(9) Date 3494292	
(10) Parameter Group(s) Analyzed:		(9) Time			
Turbidity ; Inorganic ; Trihalomethane ; Volatile Organic ; Organic Chemical ; Secondary Chemical ; Radiological ; Unregulated Organic Purgeable ; Unregulated Organic Pesticide ; Unregulated Base Neutral Extractable ; Unregulated Acid Extractable ;					

(18) Laboratory Number

(11) Client Sample Identification

18476	#1	W. Windsor 1 well	Camp.
	#2	Tropical Park 2 wells	
	#3	Bay Lk 1 well	
	#4	LK. Ajay 1 well	
18477	#5		Camp.
	#6		
	#7	Intercession City 2 wells	
	#8	Pineridge Est. 2 wells	
	#9		
	#10		

(13) Collectors Signature:

Bill Lunsell

Date

12/11

Time

1:00

(14) Transporers Signature:

[Signature]

12/11/91

3:27

(15) Lab Acceptance By:

Over for numbered instructions.

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

FOR LAB USE ONLY
REC'D ORL
DEC 9 3 35 PM '91
BY: D. KAZANIS
12/10

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Intercession City SYSTEM I.D. NO: 3400673 SYSTEM PHONE #: None
ADDRESS: 2600 N. Colaprice COUNTY: Orange DER. DISTRICT: 03
COLLECTOR: P. T. COLLECTOR PHONE #: None
SAMPLE SITE (Locality or Subdivision): Intercession City
DATE AND TIME COLLECTED: 12/10
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other
(Check Box) (Check Box) (Check Box) (Check Box) (Check Box) (Specify)
☒ Distribution ☐ TNTC or C ☐ Turbid
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	pH	ANALYSIS METHOD: MF	NTF	MHO-MUG	PA	
				SAMPLE NUMBER	COLIFORM	TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	Well 1	-	7.3	052456	A			
2	Well 2	-	7.3	052457	A			
3	Well Drage St	13	7.3	052458	A			
4	Drain K 17-97/Septic	15	7.3	052459	A			

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.
P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNTC - Too numerous to count
INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SU Services
170 Colaprice
Ft. Pierce FL 32703

- ()
- (X) SATISFACTORY
- () INCOMPLETE COLLECTION INFORMATION
- () REPEAT SAMPLES
- () REPLACEMENT SAMPLES

REVIEWING OFFICIAL: JR
TITLE: DER

Interlachen Lake Estates - 470

Putnam County (SSU)

Water

- 1992 FPSC Filing -

Interlachen Lake Estates

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	1/89
Organic	1/89
Volatile Organic Chemicals	1/91
	4/91
	7/91
	10/91
Turbidity	1/89
Microbiological	12/91
Radionuclide	1/89
Secondary Contaminants	1/89
Unregulated Contaminants	1/91

SSD SERVICES
Putnam County Office
P. O. Box 458
Pomona Park, FL 32181

TO
FRANK S.
CLARA D.

Date: April 9, 1991

To: Jim Maher

Re: First Quarter 1991 VOC & UC analysis results

Enclosed are copies of VOC & UC analysis results. As discussed in our conversation, we grouped our wells for this procedure. The grouping was as follows:

<u>SAMPLE #</u>	<u>PLANTS INCLUDED IN SAMPLE</u>	<u>ID NUMBERS</u>
# 1	Interlachen Lake Estates Park Manor Silver Lake Oaks	2540545 2540873 2544258
# 2	River Park # 1 River Park # 2 River Park # 3 Wootens	2540962 2540963 2540964 2541280
# 3	Pomona Park Hermits Cove Palm Port River Grove	2540905 2540482 2540865 2540959
# 4	Beechers Point Welaka Mobile Home Park Saratoga Harbor St. Johns Highlands	2540070 2541242 2541000 2540489

If you have any questions, please call either Jerry Boyd or Paul Thompson at 904-649-4143.

Copies: Charles Sweat
J.J. Welsh
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

GROUP 1

Received From:

SSU
110 Church St
PompanoPrk, FL 32181

Date Reported: Feb26 1991

PD Number: Putnam Co.

PD Number 891028

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: 1

Date Received:

Jan30 1991

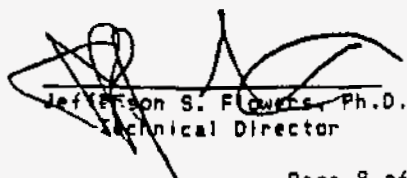
Lab Number : 16153

REPORT OF ANALYSIS

16153					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	3.80	2.00	<0.00001
Aldicarb sulfoxide	mg/L	0.002	91.0	3.89	<0.002
Aldicarb sulfone	mg/L	0.002	89.5	3.16	<0.002
Metolachlor	mg/L	0.0005	98.1	3.01	<0.0005
Carbofuran	mg/L	0.001	91.0	2.33	<0.001
Aldicarb	mg/L	0.002	105	3.70	<0.002
Atrazine	mg/L	0.002	106	0.78	<0.002
Alachlor (Lasso)	mg/L	0.0002	110	1.00	<0.0002
Heptachlor	mg/L	0.000005	103	.550	<0.000005
Aldrin	mg/L	0.00007	117	1.46	<0.00007
Dieldrin	mg/L	0.00001	94.8	2.09	<0.00001
Dicamba	mg/L	0.00001	2.95	2.00	<0.00001
Chlordane	mg/L	0.00001	117	1.46	<0.00001
Pentachlorophenol	mg/L	0.005	1.42	.500	<0.005
Hexachlorocyclopenta	mg/L	0.001	100	1.94	<0.001
Dioxin	mg/L	0.00001	101	2.47	<0.00001
Isophorone	mg/L	0.001	99	1.41	<0.001
2,4-dinitrotoluene	mg/L	0.001	103	3.53	<0.001
Dimethylphthalate	mg/L	0.001	100	0.34	<0.001
Diethylphthalate	mg/L	0.001	98.6	2.02	<0.001
Di-n-butylphthalate	mg/L	0.001	101	0.79	<0.001
Butyl benzyl phthala	mg/L	0.001	97.7	3.38	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	99.2	1.11	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.7	0.37	<0.001
PCB_1016	mg/L	0.0001	102	3.04	<0.0001
PCB_1221	mg/L	0.0001	98.4	.862	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 9 of 16

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBERRY AVE
P.O. BOX 150 557
ALTAIR, FL 32015
FLORIDA 32015 0557
BUS 1407 157 1244
FAX 1407 157 1244

0738

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
110 Church St
PompanoPrk, FL 32181

Date Reported: Feb26 1991

PO Number: Putnam Co.

PO Number 891028

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

Form 1

Date Received:

Jan30 1991

Lab Number : 16153

REPORT OF ANALYSIS

16153					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Bromoform	mg/L	0.001	115	8.58	<0.001
Bromodichloromethane	mg/L	0.001	102	3.61	<0.001
Dibromochloromethane	mg/L	0.001	109	2.82	<0.001
p-xylene	mg/L	0.001	97.0	2.10	<0.001
Methylene chloride	mg/L	0.001	109	.858	<0.001
o-chlorotoluene	mg/L	0.001	104	1.19	<0.001
p-chlorotoluene	mg/L	0.001	93.4	1.89	<0.001
m-dichlorobenzene	mg/L	0.001	115	.495	<0.001
o-dichlorobenzene	mg/L	0.001	111	.180	<0.001
1,1-dichloroethane	mg/L	0.001	100	1.31	<0.001
trans-1,2-dichloroet	mg/L	0.001	107	0.72	<0.001
1,2-dichloropropane	mg/L	0.001	99.1	.590	<0.001
1,1,2-trichloroethan	mg/L	0.001	114	.841	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	110	1.16	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	120	2.20	<0.001
Chlorobenzene	mg/L	0.001	101	.116	<0.001
Toluene	mg/L	0.001	93.4	1.89	<0.001
Ethylbenzene	mg/L	0.001	92.9	1.29	<0.001
Bromobenzene	mg/L	0.001	101	.116	<0.001
m-xylene	mg/L	0.001	97.0	2.10	<0.001
Styrene	mg/L	0.001	93.4	1.89	<0.001
o-xylene	mg/L	0.001	97.0	2.10	<0.001
Dalapon	mg/L	0.000001	1.07	2.00	<0.000001
Oxamyl (Vydate)	mg/L	0.002	95.8	1.85	<0.002
Simazine	mg/L	0.007	2.63	1.5	<0.007
Picloram	mg/L	0.00007	1.47	1.00	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.



Jefferson S. Flowers, Ph.D.
Technical Director

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU

Date Reported: Feb26 1991

PO Number: Putnam Co.

110 Church St
PompanoPrk, FL 32181

PO Number: B91028

FDHRS Lab# : B3139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: 1

Date Received:

Jan30 1991

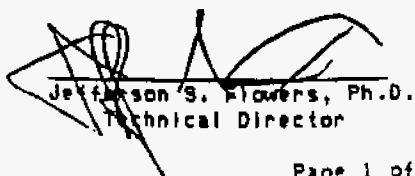
Lab Number : 16153

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	16153
		Detection Limit			
Ethylene dibromide	mg/L	.000005	107	.899	<0.000005
Para-dichlorobenzene	mg/L	0.001	106	0.81	<0.001
Vinyl chloride	mg/L	0.001	104	0.70	<0.001
1,1-dichloroethene	mg/L	0.001	104	0.70	<0.001
1,2-dichloroethane	mg/L	0.001	104	2.80	<0.001
1,1,1-trichloroethane	mg/L	0.001	108	3.07	<0.001
Carbon tetrachloride	mg/L	0.001	112	5.08	<0.001
Trichloroethene	mg/L	0.001	115	3.15	<0.001
Tetrachloroethene	mg/L	0.001	113	3.0	<0.001
Benzene	mg/L	0.001	111	2.81	<0.001
Chloromethane	mg/L	0.001	109	.858	<0.001
Dichlorodifluoromethane	mg/L	0.001	100	.702	<0.001
Bromomethane	mg/L	0.001	109	.858	<0.001
Chloroethane	mg/L	0.001	104	.542	<0.001
Trichlorofluoromethane	mg/L	0.001	100	.702	<0.001
trans-1,3-dichloropropene	mg/L	0.001	107	7.14	<0.001
cis-1,3-dichloropropene	mg/L	0.001	117	1.36	<0.001
Methyl-tert-butylethylene	mg/L	0.001	111	6.74	<0.001
cis-1,2-dichloroethane	mg/L	0.001	117	1.36	<0.001
Dibromomethane	mg/L	0.001	109	.858	<0.001
1,1-dichloropropene	mg/L	0.001	106	6.2	<0.001
1,3-dichloropropane	mg/L	0.001	107	7.14	<0.001
1,2,3-trichloropropane	mg/L	0.001	105	5.27	<0.001
2,2-dichloropropane	mg/L	0.001	104	.542	<0.001
1,2-dibromo-3-chloropropane	mg/L	0.001	105	5.27	<0.001
Chloroform	mg/L	0.001	99.1	1.06	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 16

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWPORT AVENUE
P.O. BOX 1241
ATLANTA, GA 30303
FLORIDA 32215-0501
BUS (404) 575-5744
FAX (404) 575-5744

0740

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
110 Church St
PompanoPrk, FL 32181

Date Reported: Feb26 1991

PO Number: Putnam Co.

PO Number: B91028

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHR Lab# : 296

SCDHEC Lab# : 96019

For: 1

Date Received:

Jan30 1991

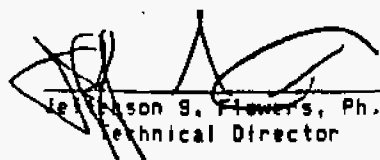
Lab Number : 16153

REPORT OF ANALYSIS

					16153
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB_1232	mg/L	0.0001	110	7.32	<0.0001
PCB_1242	mg/L	0.0001	99.1	1.86	<0.0001
PCB_1248	mg/L	0.0001	102	3.04	<0.0001
PCB_1254	mg/L	0.0001	110	7.32	<0.0001
PCB_1260	mg/L	0.0001	102	3.04	<0.0001
Diethylphthalate	mg/L	0.001	98.9	1.55	<0.001
2-chlorophenol	mg/L	0.001	101	2.05	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	106	7.47	<0.001
Phenol	mg/L	0.001	84.1	26.7	<0.001
2,4,6-trichloropheno	mg/L	0.001	93.3	10.1	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 13 of 16

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWARK RD
P.O. BOX 150 552
ALABAMA 36115-0552
FLORIDA 32115-0552
BUS (407) 332-1284
FAX (407) 332-1210

0741

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____

Public Water System Name: Interlock

Public Water System Type (check one):

☐ Common ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83138

Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Purgeable X; Unregulated Organic Pesticide X;

Unregulated Base Neutral Extractable X; Unregulated Acid Extractable X;

Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____

Laboratory Sample Number: 18153

Sample Location (be specific): _____

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composit

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: 2/13/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check) Yes ☐ No ☒

(X) No

ANALYSIS SUBMITTED: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;

Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name

Dr. Jefferson S. Flowers

Title

Technical Director

Laboratory

Flowers Chemical Laboratories, Inc.

Date

2/22/91

Mail Results to the

Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01

Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16153	.00002	<0.000005	EPA504.1	.000005	2/19/91
2969	Para-dichlorobenzene	16153	.075	<0.001	EPA502.2	0.001	2/13/91
2976	Vinyl chloride	16153	0.001	<0.001	EPA502.2	0.001	2/13/91
2977	1,1-dichloroethene	16153	0.007	<0.001	EPA502.2	0.001	2/13/91
2980	1,2-dichloroethene	16153	0.003	<0.001	EPA502.2	0.001	2/13/91
2981	1,1,1-trichloroethane	16153	0.2	<0.001	EPA502.2	0.001	2/13/91
2982	Carbon tetrachloride	16153	0.003	<0.001	EPA502.2	0.001	2/13/91
2984	Trichloroethene	16153	0.003	<0.001	EPA502.2	0.001	2/13/91
2987	Tetrachloroethene	16153	0.003	<0.001	EPA502.2	0.001	2/13/91
2990	Benzene	16153	0.001	<0.001	EPA502.2	0.001	2/13/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16153		<0.001	EPA502.2	0.001	2/13/91
2212	Dichlorodifluoromethane	16153		<0.001	EPA502.2	0.001	2/13/91
2214	Bromomethane	16153		<0.001	EPA502.2	0.001	2/13/91
2216	Chloroethane	16153		<0.001	EPA502.2	0.001	2/13/91
2218	Trichlorofluoromethane	16153		<0.001	EPA502.2	0.001	2/13/91
2224	trans-1,3-dichloropropene	16153		<0.001	EPA502.2	0.001	2/13/91
2228	cis-1,3-dichloropropene	16153		<0.001	EPA502.2	0.001	2/13/91
2251	Methyl-tert-butylether	16153		<0.001	EPA502.2	0.001	2/13/91
2380	cis-1,2-dichloroethane	16153		<0.001	EPA502.2	0.001	2/13/91
2408	Dibromomethane	16153		<0.001	EPA502.2	0.001	2/13/91
2410	1,1-dichloropropene	16153		<0.001	EPA502.2	0.001	2/13/91
2412	1,3-dichloropropane	16153		<0.001	EPA502.2	0.001	2/13/91
2414	1,2,3-trichloropropane	16153		<0.001	EPA502.2	0.001	2/13/91
2416	2,2-dichloropropane	16153		<0.001	EPA502.2	0.001	2/13/91
2931	1,2-dibromo-3-chloropropane	16153		<0.001	EPA502.2	0.001	2/13/91
2941	Chloroform	16153		<0.001	EPA502.2	0.001	2/13/91
2942	Bromoform	16153		<0.001	EPA502.2	0.001	2/13/91
2943	Bromodichloromethane	16153		<0.001	EPA502.2	0.001	2/13/91
2944	Dibromochloromethane	16153		<0.001	EPA502.2	0.001	2/13/91
2962	p-xylene	16153		<0.001	EPA502.2	0.001	2/13/91
2964	Methylene chloride	16153		<0.001	EPA502.2	0.001	2/13/91
2985	o-chlorotoluene	16153		<0.001	EPA502.2	0.001	2/13/91
2966	p-chlorotoluene	16153		<0.001	EPA502.2	0.001	2/13/91
2967	m-dichlorobenzene	16153		<0.001	EPA502.2	0.001	2/13/91
2968	o-dichlorobenzene	16153		<0.001	EPA502.2	0.001	2/13/91
2978	1,1-dichloroethane	16153		<0.001	EPA502.2	0.001	2/13/91
2979	trans-1,2-dichloroethane	16153		<0.001	EPA502.2	0.001	2/13/91
2983	1,2-dichloropropane	16153		<0.001	EPA502.2	0.001	2/13/91
2985	1,1,2-trichloroethane	16153		<0.001	EPA502.2	0.001	2/13/91
2986	1,1,1,2-tetrachloroethane	16153		<0.001	EPA502.2	0.001	2/13/91
2988	1,1,2,2-tetrachloroethane	16153		<0.001	EPA502.2	0.001	2/13/91
2989	Chlorobenzene	16153		<0.001	EPA502.2	0.001	2/13/91

2991	Toluene	16153
2992	Elhylbenzene	16153
2993	Bromobenzene	16153
2995	m-xylene	16153
2996	Styrene	16153
2997	o-xylene	16153

Comments:

<0.001	EPA502.2	0.001	2/13/91
<0.001	EPA502.2	0.001	2/13/91
<0.001	EPA502.2	0.001	2/13/91
<0.001	EPA502.2	0.001	2/13/91
<0.001	EPA502.2	0.001	2/13/91
<0.001	EPA502.2	0.001	2/13/91

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16153		<0.000001	EPA515	0.000001	2/21/91
2036	Oxamyl (Vydate)	16153		<0.002	EPA531	0.002	2/18/91
2037	Simazine	16153		<0.007	EPA505	0.007	2/21/91
2040	Picloram	16153		<0.00007	EPA515	0.000007	2/21/91
2041	Dinoseb	16153		<0.00001	EPA515	0.000001	2/21/91
2043	Aldicarb sulfoxide	16153		<0.002	EPA531	0.002	2/18/91
2044	Aldicarb sulfone	16153		<0.002	EPA531	0.002	2/18/91
2045	Metolachlor	16153		<0.0005	EPA505	0.0005	2/21/91
2046	Carbofuran	16153		<0.001	EPA531	0.001	2/18/91
2047	Aldicarb	16153		<0.002	EPA531	0.002	2/18/91
2050	Atrazine	16153		<0.002	EPA505	0.002	2/21/91
2051	Alachlor (Lasso)	16153		<0.0002	EPA505	0.0002	2/21/91
2065	Heptachlor	16153		<0.000005	EPA508	0.000005	2/21/91
2356	Aldrin	16153		<0.00007	EPA508	0.000007	2/21/91
2364	Dieldrin	16153		<0.00001	EPA508	0.000001	2/21/91
2440	Dicamba	16153		<0.00001	EPA515	0.000001	2/21/91
2959	Chlordane	16153		<0.00001	EPA508	0.000001	2/21/91
9114	Pentachlorophenol	16153		<0.005	EPA515	0.005	2/14/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16153		<0.001	EPA508	0.001	2/21/91
2063	Dioxin	16153		<0.00001	EPA813	0.000001	2/21/91
2262	Isophorone	16153		<0.001	EPA609	0.001	2/14/91
2270	2,4-dinitrotoluene	16153		<0.001	EPA609	0.001	2/14/91
2282	Dimethylphthalate	16153		<0.001	EPA608	0.001	2/14/91
2284	Diethylphthalate	16153		<0.001	EPA608	0.001	2/14/91
2290	Di-n-butylphthalate	16153		<0.001	EPA608	0.001	2/14/91
2294	Butyl benzyl phthalate	16153		<0.001	EPA608	0.001	2/14/91
2298	Bis(2-ethylhexyl)phthalate	16153		<0.001	EPA608	0.001	2/14/91
2378	1,2,4-trichlorobenzene	16153		<0.001	EPA812	0.001	2/14/91
2388	PCB-1016	16153		<0.0001	EPA505	0.0001	2/21/91
2390	PCB-1221	16153		<0.0001	EPA505	0.0001	2/21/91
2392	PCB-1232	16153		<0.0001	EPA505	0.0001	2/21/91
2394	PCB-1242	16153		<0.0001	EPA505	0.0001	2/21/91
2396	PCB-1248	16153		<0.0001	EPA505	0.0001	2/21/91
2398	PCB-1254	16153		<0.0001	EPA505	0.0001	2/21/91

2400	PCB-1260	16153	<0.0001	EPA505	0.0001	2/21/91
9089	Diethylphthalate	16153	<0.001	EPA808	0.001	2/14/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16153		<0.001	EPA804	0.001	2/14/91
9112	2-methyl-4,6-dinitrophenol	16153		<0.001	EPA804	0.001	2/14/91
9115	Phenol	16153		<0.001	EPA804	0.001	2/14/91
9116	2,4,6-trichlorophenol	16153		<0.001	EPA804	0.001	2/14/91

Comments:

To: Jim Meyer, DER

RE: 2nd Quarter 1991 VOC, analysis results.

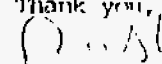
Dear Mr. Meyer,

Enclosed are copies of our 2nd Quarter 1991 VOC analysis results. As discussed in our earlier conversation with you, we grouped our wells for this procedure. The grouping was as follows:

<u>SAMPLE #</u>	<u>PLANTS INCLUDED IN SAMPLE</u>	<u>ID. #</u>
<u>#1</u>	Interlachen Lakes Estates #470	2540545
	Park Manor #444	2540873
	Silver Lake Oaks #473	2544258
#2	River Park #1 #439 ¹	2540962
	River Park #2 #439 ²	2540963
	River Park #3 #439 ³	2540964
	Woolens #446	2541280
#3	Ranona Park #443	2540905
	Hermits Cove #438	2540482
	Palm Port #440	2540865
	River Grove #442	2540959
#4	Deechers Point #472	2540070
	Welaka Mobile Home Park #447	2541242
	Saratoga Harbor #448	2541008
	St. Johns Highlands #471	2540489

If you have any questions, please call either Jerry Boyd or myself at (904)649-4141.

Thank you,


Paul D. Thompson
Lead operator, Putnam County
ES&E Services

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

 SSU
 PO Box 459
 Pomona Park, FL 32181

Date Reported: Apr 29, 1991

PO Number: 891029

PO Number SSU Serv.

 FDHRS Lab# : 82129
 FDER Lab# : 883018
 NCDEHHR Lab# : 204
 SCDHEC Lab# : 96019

For: 1

Date Received:

Apr 17, 1991

Lab Number : 16689

REPORT OF ANALYSIS

16689					
Parameter	Unit	Method	XACC	XPRC	
		Detection			
		Limit*			
Ethylene dibromide	mg/L	0.000005	98.6	7.34	<0.000005
Para-dichlorobenzene	mg/L	0.001	105	5.74	<0.001
Methyl chloride	mg/L	0.001	100	3.53	<0.001
1,1-dichloroethene	mg/L	0.001	100	3.53	<0.001
1,2-dichloroethane	mg/L	0.001	107	5.79	<0.001
1,1,1-trichloroethane	mg/L	0.001	102	3.96	<0.001
Carbon tetrachloride	mg/L	0.001	103	1.43	<0.001
Trichloroethene	mg/L	0.001	102	8.39	<0.001
Tetrachloroethene	mg/L	0.001	95.4	3.99	<0.001
Benzene	mg/L	0.001	103	2.23	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
 Methods of analysis in accordance with FCL QA and EPA approved methodology.


 Jefferson L. Flowers, Ph.D.
 Technical Director

Page 1 of 4

 Jefferson L. Flowers, Ph.D.
 Jefferson L. Flowers, Ph.D.
 481 NEWBURYPORT
 P.O. BOX 150-597
 ALDAMORE SPRINGS
 FLORIDA 32715-0597
 BUS (407) 339-5984
 FAX (407) 260-6117

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Interlachen
Public Water System Type (check one):
☐ () Communit ☐ () Non-community ☐ () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyz: Turbidity____; Inorganic____; Trihalomethane____;
Volatile Organic X____; Organic Chemical____; Secondary Chemical____; Radiological____;
Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;
Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;
Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____
Laboratory Sample Number: 16689
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ () Check ☐ () Regular Distribution ☐ () Composit
☐ () Clearance ☐ () Maximum Residence Time ☐ () Plant Tap
☐ () Raw ☐ () Well ☐ () Resample
☐ () Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: ____/____/____
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ☐ () Yes ☒ (X) No
ANALYSIS SUBMITTED: Turbidity____; Inorganic____; Trihalomethane____;
Volatile Organic____; Organic Chemical____; Secondary Chemical____; Radiological____;
Unregulated Organic Purgeable____; Unregulated Organic Pesticide____;
Unregulated Base Neutral Extractable____; Unregulated Acid Extractable____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/27/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ () Satisfactory ☐ () Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/l)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16689	.00002	<.000005	EPA504.1	.000005	4/26/91
2969	Para-dichlorobenzene	16689	.075	<0.001	EPA502.2	0.001	4/25/91
2976	Vinyl chloride	16689	0.001	<0.001	EPA502.2	0.001	4/25/91
2977	1,1-dichloroethene	16689	0.007	<0.001	EPA502.2	0.001	4/25/91
2980	1,2-dichloroethane	16689	0.003	<0.001	EPA502.2	0.001	4/25/91
2981	1,1,1-trichloroethane	16689	0.2	<0.001	EPA502.2	0.001	4/25/91
2982	Carbon tetrachloride	16689	0.003	<0.001	EPA502.2	0.001	4/25/91
2984	Trichloroethene	16689	0.003	<0.001	EPA502.2	0.001	4/25/91
2987	Tetrachloroethene	16689	0.003	<0.001	EPA502.2	0.001	4/25/91
2990	Benzene	16689	0.001	<0.001	EPA502.2	0.001	4/25/91

Comments:



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
P.O. Box 458
Pamona Park, FL 32181

Attn: Paul Thompson

Work Order #: 91-07-474
Date Received: 07/31/91
Date Reported: 08/04/91
OLI Contact: L. BALZLEY

Work ID: Southern States Utilities
Samples collected by: Client
Total Samples: 3

SAMPLE IDENTIFICATION
01 Trip Blank
02 Composite #1
02 Method Blank

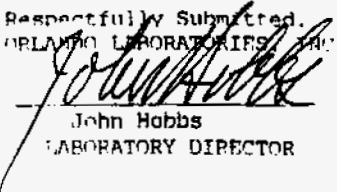
TEST CODES and NAMES used on this report
1CONP Composite Data For Samples
PMS028 Volatile Organic Analysis

Copy of Report to:

Jerry Boyd
P.O. Box 458
Pamona Park, FL 32181

OLI Florida Department of Health & Rehabilitative Service Identification Number 490
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Halarek
QUALITY CONTROL

Dedicated To Excellence

(407) 895-6645

(800) 826-8320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-001 174

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Composite Data For Samples

SAMPLE # 01A
MATRIX WATER
TEST CODE 10000

NUMBER OF SAMPLES COMPOSITED:

	Sample Identification	Date and time
#1	Interlachen	07/30/91 08:00
#2	Park Manor	07/30/91 08:00
#3	Silver Lake Oaks	07/30/91 08:00
#4		
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		

IRVING LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-004

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 070
MATRIX WATER
TEST CODE DW028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. L.L. Used	Analysis Date
2946 Ethylene dibromide			<0.00002	EPA 504	0.00002	07/31/91
2969 Para-dichlorobenzene			<0.0005	EPA 524	0.0005	07/31/91
2976 Vinyl Chloride			<0.0005	EPA 524	0.0005	07/31/91
2977 1,1-Dichloroethene			<0.0005	EPA 524	0.0005	07/31/91
2980 1,2-Dichloroethane			<0.0005	EPA 524	0.0005	07/31/91
2981 1,1,1-trichloroethane			<0.0005	EPA 524	0.0005	07/31/91
2982 Carbon Tetrachloride			<0.0005	EPA 524	0.0005	07/31/91
2984 Trichloroethene			<0.0005	EPA 524	0.0005	07/31/91
2987 Tetrachloroethene			<0.0005	EPA 524	0.0005	07/31/91
2990 Benzene			<0.0005	EPA 524	0.0005	07/31/91

Comments:

INLAND LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-474

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 030
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			<0.00002	EPA 504	0.00002	07/01/91
2969 Para-dichlorobenzene			<0.0005	EPA 524	0.0005	07/31/91
2976 Vinyl Chloride			<0.0005	EPA 524	0.0005	07/31/91
2977 1,1-Dichloroethene			<0.0005	EPA 524	0.0005	07/31/91
2980 1,2-Dichloroethane			<0.0005	EPA 524	0.0005	07/31/91
2981 1,1,1-trichloroethane			<0.0005	EPA 524	0.0005	07/31/91
2982 Carbon Tetrachloride			<0.0005	EPA 524	0.0005	07/31/91
2984 Trichloroethene			<0.0005	EPA 524	0.0005	07/31/91
2987 Tetrachloroethene			<0.0005	EPA 524	0.0005	07/31/91
2990 Benzene			<0.0005	EPA 524	0.0005	07/31/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
NonReported Work

Work Order # 91-07-474

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

Q1A : NO TEST

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

Page No: 6

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 08-01-1991

LAB SAMPLE # : 9107484-2 524
ANALYSIS DATE : 7/31/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
1,1-dichloroethane	50	0	35	70	39	78	11
trichloroethane	50	0	53	106	51	102	4
benzene	50	0	50	100	48	96	4
toluene	50	0	49	98	49	98	0
chlorobenzene	50	0	47	94	47	94	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethane	64	137	19	50	142	22
trichloroethane	76	124	24	70	128	25
benzene	77	113	25	64	134	26
toluene	65	125	20	69	132	24
chlorobenzene	71	123	24	72	124	20

ORLANDO LABORATORIES, INC.

Page 005

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 08-05-1991

LAB SAMPLE # : 9107-147-01A
ANALYSIS DATE : 08/01/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
Ethylene Dibromide	100	0	54	54	47	47 %	14
Dibromochloropropane	100	0	67	67	59	59 %	13

COMMENTS : % = parameter outside OC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
Ethylene Dibromide	50	100	30	35	100	30
Dibromochloropropane	65	110	30	60	110	30

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____

Public Water System Name: _____

Public Water System Type (check one):

☐ Community ☐ Non-Community ☐ Special Non-Community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141

Parameter Group(s) Analyzed: Volatile Organic Analysis

Subcontract Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MDDYY): 07/30/91

Laboratory Sample Number: 91-07-474

Sample Location: _____

Sample Type (check all applicable):

☐ Check	☐ Regular Distribution	☐ Composite
☐ Clearance	☐ Maximum Residue Time	☐ Plant Tap
☐ Raw	☐ Well	☐ Re-sample
☐ Special		

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MDDYY): 08/01/91 (504)

Laboratory Contact: Eric Malarek

Re-sample Requested? (check one): ☐ Yes ☐ No

ANALYSES SUBMITTED: Turbidity____; Inorganic____; Trihalomethane____;
 Volatile Organic____; Organic Chemical____; Secondary Chemical____;
 Radiological____; Unregulated Organic Purgeable____; Unregulated
 Organic Pesticides____; Unregulated Base Neutral Extractable____;
 Unregulated Acid Extractable____; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature _____

Name Eric Malarek

Title Quality Control Officer

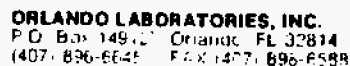
Laboratory Orlando Laboratories, Inc.

Date _____

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

Page 1 of 5[illegible]

ORIGINAL - 1 AD
YELLOW - FILE
PINK - CLIENT

0758



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
P.O. Box 458
Pamona Park, FL 32181

Attn: Paul Thompson

Work Order # : 91-10-436
Date Received: 10/30/91
Date Reported: 11/13/91
OLI Contact: J_BEATO

Work ID: SSU Services
Samples collected by: Client
Total Samples: 3

SAMPLE IDENTIFICATION

01 Composite #1
02 Trip Blank
03 Method Blank

TEST CODES and NAMES used on this report

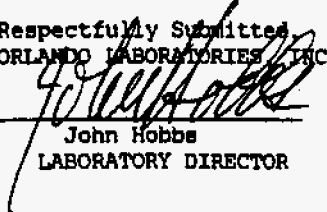
1COMP Composite Data For Samples
PWS028 Volatile Organic Analysis

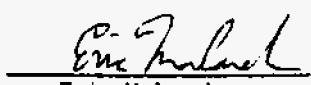
Copy of invoice to:

Jerry Boyd
Southern States Utilities
P.O. Box 458
Pamona Park, FL 32181

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141. Environmental Certification Number E83033

Respectfully Submitted
ORLANDO LABORATORIES INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6500

ORLANDO LABORATORIES, INC.
Received: 10/30/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91 10 10

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Composite Data For Samples

SAMPLE# Q1A
MATRIX WATER
TEST CODE 100M

NUMBER OF SAMPLES COMPOSITED:

	Sample Identification	Date and time
#1	INTERLACHEN (1 & 2)	10/30/91 07:40
#2	PARK MANOR (3)	10/30/91 06:40
#3	SILVER LAKE OAKS (4)	10/30/91 06:10
#4		
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		

GRAND LABORATORIES, INC.
Received: 10/30/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-26

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 010
MATRIX WATER
TEST CODE PW008

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			<0.00002	EPA 504	0.00002	11-05/91
2969 Para-dichlorobenzene			<0.0005	EPA 524	0.0005	11-01/91
2976 Vinyl Chloride			<0.0005	EPA 524	0.0005	11-01/91
2977 1,1-Dichloroethene			<0.0005	EPA 524	0.0005	11-01/91
2980 1,2-Dichloroethane			<0.0005	EPA 524	0.0005	11-01/91
2981 1,1,1-trichloroethane			<0.0005	EPA 524	0.0005	11-01/91
2982 Carbon Tetrachloride			<0.0005	EPA 524	0.0005	11-01/91
2984 Trichloroethene			<0.0005	EPA 524	0.0005	11-01/91
2987 Tetrachloroethene			<0.0005	EPA 524	0.0005	11-01/91
2990 Benzene			<0.0005	EPA 524	0.0005	11-01-91

Comments:

ORION LABORATORIES, INC.
Received: 10/30/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-126

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 026
MATRIX HEPHEO BLANK
TEST CODE PW028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			<0.00002	EPA 504	0.00002	11-05/91
2969 Para-dichlorobenzene			<0.0005	EPA 524	0.0005	11-01/91
2976 Vinyl Chloride			<0.0005	EPA 524	0.0005	11-01/91
2977 1,1-Dichloroethene			<0.0005	EPA 524	0.0005	11-01/91
2980 1,2-Dichloroethane			<0.0005	EPA 524	0.0005	11-01/91
2981 1,1,1-trichloroethane			<0.0005	EPA 524	0.0005	11-01/91
2982 Carbon Tetrachloride			<0.0005	EPA 524	0.0005	11-01/91
2984 Trichloroethene			<0.0005	EPA 524	0.0005	11-01/91
2987 Tetrachloroethene			<0.0005	EPA 524	0.0005	11-01/91
2990 Benzene			<0.0005	EPA 524	0.0005	11-01/91

Comments:

URLANDI LABORATORIES, INC.
Received: 10/30/91

REPORT OF ANALYSIS
NonReported Work

Work Order # 91 10 126

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

02A : NTEST

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 11-11-1991

LAB SAMPLE # : 9110433-01A
ANALYSIS DATE : 11/05/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
Ethylene Dibromide	100	0	72	72	69	69	4
Dibromochloropropane	100	0	77	77	78	78	1

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
Ethylene Dibromide	50	110	30	35	100	30
Dibromochloropropane	65	110	30	60	110	30

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 11-05-1991

LAB SAMPLE # : 9110445-3
ANALYSIS DATE : 11/1/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS ± RECOVERY	RSD RESULT	RSD± RECOVERY	RPD
1,1-dichloroethene	50	0	58	116	53	106	9
trichloroethene	50	0	53	106	52	104	2
benzene	50	0	59	118 *	55	110	7
toluene	50	0	50	100	48	96	4
chlorobenzene	50	0	51	102	50	100	2

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-dichloroethene	64	137	19	50	142	22
trichloroethene	76	124	24	70	128	25
benzene	77	113	25	64	134	26
toluene	65	125	20	69	132	24
chlorobenzene	71	123	24	72	124	20

*Note: Parameter outside QC limits due to matrix interference.

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2540545
Public Water System Name: Interlechen Lakes Estates
Public Water System Type (check one):
(X) Community () Non-Community () Special Non-Community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
Parameter Group(s) Analyzed: Volatile Organic Analysis

Subcontract Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 10/30/91
Laboratory Sample Number: 91-10-436
Sample Location: Well
Sample Type (check all applicable):

☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residue Time ☐ Plant Tap
☐ Raw ☒ Well ☐ Re-sample
☐ Special _____

Sampler Name, Title, Phone: Paul D. Thompson
 Lead Operator, Putnam County SSU Services
 904-649-4143

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 10/31/91 (504)
Laboratory Contact: Eric Malarek
Re-sample Requested? (check one): ☐ Yes ☐ No
ANALYSES SUBMITTED: Turbidity____; Inorganic____; Trihalomethane____;
Volatile Organic____; Organic Chemical____; Secondary Chemical____;
Radiological____; Unregulated Organic Purgeable____; Unregulated
Organic Pesticides____; Unregulated Base Neutral Extractable____;
Unregulated Acid Extractable____; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature Eric Ingelund

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date 11/13/91

Mail Results to the
Appropriate DER or
ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
P.O. BOX 18912, Orlando, FL 32814
407-694-6646 FAX 407-894-6588

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

ADDRESS: P.O. BOX 458 PONDJA PARK FL 32181 CITY: STATE: ZIP:				9110436 APPROXIMATE DATE OF USE:			
ORIGINAL REPORT TO COMPANY (INDIVIDUAL): SAME				PAR D. 77thm PwJ 5587			
(OPTIONAL) ADDITIONAL REPORTS SENT TO:				VOC ANALYSIS			
CLIENT PROJECT NAME:				REMARKS:			
SAMPLE IDENTIFICATION:		DATE/TIME:		SAMPLE DESCRIPTION:		NUMBER OF CONTAINERS:	
INTERACTED		7:40 / 10/19/91		WELL		8	
PARK MANSION		6:40 / 11/20/91		WELL		4	
SLOVER 2ND STRES		6:10 / 10/20/91		WELL		4	
TRANSFER NUMBER:		RELINQUISHED BY:		DATE/TIME:		ACCEPTED BY:	
1st		[Signature]		10/28/1990		[Signature]	
2nd		[Signature]		10/30/1990		[Signature]	
3rd		[Signature]		[Signature]		[Signature]	
ADDITIONAL REMARKS:				COOLER #s:			
20				21			
22				23			

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

ORLANDO LABORATORIES

RECEIVED
Plant # 470 Charles Sweet

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

REPORT OF ANALYSIS

Southern States Utilities
Attn: Aaron Perlowich
1000 Color Place
Apopka, Florida 32703

Report #: 2000 (89-01-134)
Sample submitted by: Client (J. Boyd) *
Date sampled: 01-12-89 @ 1700 hours *
Date received: 01-13-89
Date reported: 01-31-89

Page 1 of 9

PURPOSE: To analyze the sample for listed parameters
AUTHORIZATION: Chain of Custody Form received from client 01-13-89
SAMPLE IDENTIFICATION: Water sample submitted and identified by client as:
Interlachen - Distribution, Well & Entry Point to Distribution.
PROCEDURE: EPA METHOD 624

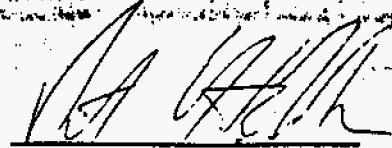
RESULTS, ug/l

<u>PURGEABLE ORGANICS BY GC/MS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Benzene	**	**
Bromodichloromethane	**	**
Bromoform	**	**
Bromomethane	**	**
Carbon Tetrachloride	**	**
Chlorobenzene	**	**
Chloroethane	**	**
2-Chloroethylvinyl ether	**	**
Chloroform	**	**
Chloromethane	**	**
Dibromochloromethane	**	**
1,1-Dichloroethane	**	**
1,2-Dichloroethane	**	**
1,1-Dichloroethene	**	**
1,2-Dichloroethene (Total)	**	**
1,2-Dichloropropane	**	**
cis-1,3-Dichloropropene	**	**
trans-1,3-Dichloropropene	**	**
Ethylbenzene	**	**
Methylene Chloride	**	**

! = Analysis not requested per client
** Samples exceeded holding times and will be reported as a separate report
* Sampling information based on data received by client
ND = Not detected to the levels in parentheses.
< = Less Than

Respectfully submitted,
ORLANDO LABORATORIES, INC.


Laboratory Manager


Quality Control

OLI Florida Department of Health & Rehabilitative Service Identification Number
is 83141.

The Analytical Specialists

Southern States Utilities
Attn: Aaron Perlowich

Report # 2000 (89-01-134)
Page 2 of 9

PROCEDURE: EPA METHOD 624

RESULTS, ug/l

<u>PURGEABLE ORGANICS BY GC/MS - Cont.</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
1,1,2,2-Tetrachloroethane	**	**
Tetrachloroethene	**	**
Toluene	**	**
1,1,1-Trichloroethane	**	**
1,1,2-Trichloroethane	**	**
Trichloroethene	**	**
Trichlorofluoromethane	**	**
Vinyl Chloride	**	**
Dichlorodifluoromethane	**	**
1,2-Dichlorobenzene	**	**
1,3-Dichlorobenzene	**	**
1,4-Dichlorobenzene	**	**
Acrolein	**	**
Acrylonitrile	**	**
n-Hexane	**	**
2,2-Dichloropropane	**	**
1,1,1,2-Tetrachloroethane	**	**
1,2,3-Trichloropropane	**	**
Styrene	**	**
meta - Xylene	**	**
ortho, para - Xylenes	**	**
Dibromomethane	**	**
1,1-Dichloropropene	**	**
1,3-Dichloropropane	**	**
Bromobenzene	**	**
1,2-Dibromo-3-chloropropane	**	**

RESULTS, ug/l

PROCEDURE: EPA METHOD 625

<u>ACID EXTRACTABLE ORGANICS BY GC/MS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
4-Chloro-3-methyl phenol	ND(10)	ND(10)
2-Chlorophenol	ND(10)	ND(10)
2,4-Dichlorophenol	ND(10)	ND(10)
2,4-Dimethylphenol	ND(10)	ND(10)
2,4-Dinitrophenol	ND(50)	ND(50)
2-Methyl-4,6-dinitrophenol	ND(50)	ND(50)
2-Nitrophenol	ND(10)	ND(10)
4-Nitrophenol	ND(50)	ND(50)
Pentachlorophenol	ND(50)	ND(50)
Phenol	ND(10)	ND(10)
2,4,6-Trichlorophenol	ND(10)	ND(10)

Southern States Utilities
Attn: Aaron Perlowich

Report #: 2000 (89-01-134)
Page 3 of 9

RESULTS, ug/l

PROCEDURE: EPA METHOD 625

<u>BASE/NEUTRAL EXTRACTABLES BY GC/MS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Acenaphthene	ND(10)	ND(10)
Acenaphthylene	ND(10)	ND(10)
Anthracene	ND(10)	ND(10)
Benzidine	ND(50)	ND(50)
Benzo(a)anthracene	ND(10)	ND(10)
Benzo(b)fluoranthene	ND(10)	ND(10)
Benzo(k)fluoranthene	ND(10)	ND(10)
Benzo(a)pyrene	ND(10)	ND(10)
Benzo(g,h,i)perylene	ND(10)	ND(10)
Benzyl-butyl phthalate	ND(10)	ND(10)
bis(2-Chloroethyl)ether	ND(10)	ND(10)
bis(2-Chloroethoxy)methane	ND(10)	ND(10)
bis(2-Ethylhexyl)phthalate	ND(10)	ND(10)
bis(2-Chloroisopropyl)ether	ND(10)	ND(10)
4-Bromophenyl phenyl ether	ND(10)	ND(10)
2-Chloronaphthalene	ND(10)	ND(10)
o-Chlorotoluene	ND(10)	ND(10)
p-Chlorotoluene	ND(10)	ND(10)
4-Chlorophenyl phenyl ether	ND(10)	ND(10)
Chrysene	ND(10)	ND(10)
Dibenzo(a,h)anthracene	ND(10)	ND(10)
Di-n-butyl-phthalate	ND(10)	ND(10)
1,2-Dichlorobenzene	ND(10)	ND(10)
1,3-Dichlorobenzene	ND(10)	ND(10)
1,4-Dichlorobenzene	ND(10)	ND(10)
3,3-Dichlorobenzidine	ND(20)	ND(20)
Diethyl phthalate	ND(10)	ND(10)
Dimethyl phthalate	ND(10)	ND(10)
2,4-Dinitrotoluene	ND(10)	ND(10)
2,6-Dinitrotoluene	ND(10)	ND(10)
Di-n-octyl-phthalate	ND(10)	ND(10)
1,2-Diphenylhydrazine	ND(10)	ND(10)
Fluoranthene	ND(10)	ND(10)
Fluorene	ND(10)	ND(10)
Hexachlorobenzene	ND(10)	ND(10)
Hexachlorobutadiene	ND(10)	ND(10)
Hexachlorocyclopentadiene	ND(10)	ND(10)
Hexachloroethane	ND(10)	ND(10)

Southern States Utilities
Attn: Aaron Perlowich

Report #: 2000 (89-01-134)
Page 4 of 9

PROCEDURE: EPA METHOD 625

RESULTS, ug/l

<u>BASE/NEUTRAL EXTRACTABLES BY GC/MS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Ideno(1,2,3-c,d)pyrene	ND(10)	ND(10)
Isophorone	ND(10)	ND(10)
Naphthalene	ND(10)	ND(10)
Nitrobenzene	ND(10)	ND(10)
n-Nitrosodimethylamine	ND(10)	ND(10)
n-Nitrosodi-n-propylamine	ND(10)	ND(10)
n-Nitrosodiphenylamine	ND(10)	ND(10)
Phenanthrene	ND(10)	ND(10)
Pyrene	ND(10)	ND(10)
2,3,7,8-Tetrachlorodi- benzo-p-dioxin (dioxin)	ND(1000)	ND(1000)
1,2,4-Trichlorobenzene	ND(10)	ND(10)
2-methyl naphthalene	ND(10)	ND(10)

PROCEDURE: EPA METHOD 608

RESULTS, ug/l

<u>ORGANOCHLORINE PESTICIDES</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Alpha-BHC	ND(1)	ND(1)
Beta-BHC	ND(1)	ND(1)
Delta-BHC	ND(1)	ND(1)
Gamma-BHC	ND(1)	ND(1)
Heptachlor	ND(1)	ND(1)
Aldrin	ND(1)	ND(1)
Heptachlor epoxide	ND(1)	ND(1)
Endosulfan I	ND(1)	ND(1)
Dieldrin	ND(1)	ND(1)
4,4'-DDE	ND(1)	ND(1)
O,p-DDE	ND(1)	ND(1)
Endosulfan II	ND(1)	ND(1)
4,4'-DDD	ND(1)	ND(1)
O,p-DDD	ND(1)	ND(1)
Endosulfan sulfate	ND(1)	ND(1)
4,4'-DDT	ND(1)	ND(1)
O,p-DDT	ND(1)	ND(1)
Endrin aldehyde	ND(1)	ND(1)
Alpha-Chlordane	ND(1)	ND(1)
Gamma-Chlordane	ND(1)	ND(1)
Kelthane	ND(1)	ND(1)
Toxaphene	ND(5)	ND(5)

Southern States Utilities
Attn: Aaron Perlowich

Report #12000 (89-01-134)
Page 5 of 9

PROCEDURE: EPA METHOD 608

RESULTS, ug/l

<u>POLYCHLORINATED BIPHENYLS, PCB's</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Arochlor 1016	ND(5)	ND(5)
Arochlor 1221	ND(5)	ND(5)
Arochlor 1232	ND(5)	ND(5)
Arochlor 1242	ND(5)	ND(5)
Arochlor 1248	ND(5)	ND(5)
Arochlor 1254	ND(5)	ND(5)
Arochlor 1260	ND(5)	ND(5)

PROCEDURE: EPA METHOD 622

RESULTS, ug/l

<u>ORGANOPHOSPHORUS PESTICIDES</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>
Diazinon	ND(1)	ND(1)
Ethion	ND(1)	ND(1)
Guthion (Azinphos methyl)	ND(1)	ND(1)
Malathion	ND(1)	ND(1)
Parathion	ND(1)	ND(1)
Tedion	ND(1)	ND(1)
Trithion (Carbophenothion)	ND(1)	ND(1)

RESULTS

<u>MISCELLANEOUS</u>	<u>DISTRIBUTION</u>	<u>METHOD BLANK</u>	<u>PROCEDURE</u>	<u>UNITS</u>
Temik®, Aldicarb	ND(10)	ND(10)	EPA 531	ug/l
Gross Alpha (Storet #01501)	1.2	†	EPA 900.0	pCi/l
Counting error (Storet #01502)	+ 1.2	†	EPA 900.0	pCi/l

<u>MISCELLANEOUS</u>	<u>WELL</u>	<u>METHOD BLANK</u>	<u>PROCEDURE</u>	<u>UNITS</u>
Ethylene Dibromide, EDB	ND(0.02)	ND(0.02)	EPA 504	ug/l

Southern States Utilities
Attn: Aaron Perlowich

Report #: 2000 (89-01-134)
Page 6 of 9

PROCEDURE: In accordance with Federal Register-Vol. 40, No. 248, Part IV-
Wednesday, December 24, 1975. U.S. Environmental Protection
Agency, National Interim Primary Drinking Water Regulations.

RESULTS, mg/l

<u>PDWR INORGANIC:</u>	<u>MCL</u>	<u>DISTRIBUTION</u>
Arsenic, As	0.05	<0.010
Barium, Ba	1.0	<0.100
Cadmium, Cd	0.010	<0.005
Chromium, Cr	0.05	<0.010
Lead, Pb	0.05	<0.010
Mercury, Hg	0.002	<0.0005
Selenium, Se	0.01	<0.005
Silver, Ag	0.05	<0.010
Nitrate Nitrogen, NO ₃ -N	10	0.03
Fluoride, F	4.0	0.14

"ORGANIC ANALYSES BY GAS CHROMATOGRAPHIC SCREENING"

<u>PDWR ORGANIC:</u>	<u>MCL</u>	<u>DISTRIBUTION</u>
Endrin	0.0002	ND(0.0001)
Lindane	0.004	ND(0.001)
Methoxychlor	0.1	ND(0.01)
Toxaphene	0.005	ND(0.001)
2,4-D	0.1	ND(0.01)
2,4,5-TP (Silvex)	0.01	ND(0.001)

RESULTS, mg/l

<u>MISCELLANEOUS</u>	<u>ENTRY POINT TO DISTRIBUTION</u>	<u>PROCEDURE</u>
Sodium, Na	3.78	EPA 200.7
Total Dissolved Solids	140	EPA 160.1
Corrosivity	0.1	EPA 110
Phenolphthalein Alkalinity	0	EPA 310.1
Total Alkalinity	120	EPA 310.1
Carbonate Alkalinity	0	EPA 310.1
Bicarbonate Alkalinity	120	EPA 310.1
Carbonates	0	Calculation
Turbidity, NTU	<1	EPA 180.1

Southern States Utilities
Attn: Aaron Perlowich

Report: 2000 (89-01-134)
Page 7 of 9

PROCEDURE: This water was analyzed according to "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, AWWA, and WPCF (1985).

RESULTS

<u>DETERMINATION</u>	<u>(MCL)</u>	<u>DISTRIBUTION</u>	<u>UNITS</u>
Chloride, Cl	(250)	6.7	mg/l
Color	(15)	5	PCU
Foaming Agents, (MBAS)	(0.5)	<0.1	mg/l
Sulfate, SO ₄	(250)	<1.0	mg/l
Total Dissolved Solids	(500)	170	mg/l
pH (Laboratory)	(6.5-8.5)	7.9	units
Odor Threshold	(3)	1	----
Fluoride, F	(2)	0.14	mg/l
Copper, Cu	(1.0)	<0.010	mg/l
Iron, Fe	(0.3)	<0.100	mg/l
Manganese, Mn	(0.05)	<0.050	mg/l
Zinc, Zn	(5)	<0.050	mg/l
Phenolphthalein Alkalinity, CaCO ₃		0	mg/l
Total Alkalinity, CaCO ₃		120	mg/l
Carbonate Alkalinity, CaCO ₃		0	mg/l
Bicarbonate Alkalinity, CaCO ₃		120	mg/l
Carbonates, CaCO ₃		0	mg/l
Bicarbonates, HCO ₃		150	mg/l
Hydroxides, OH		0	mg/l
Carbon Dioxide, CO ₂		2.9	mg/l
pHs		7.8	----
Stability Index		7.7	----
Specific Conductance		210	umhos
Hydrogen Sulfide, H ₂ S		<0.1	mg/l
Nitrate Nitrogen, NO ₃ -N		0.03	mg/l
Total Hardness, CaCO ₃		115	mg/l
Magnesium Hardness, CaCO ₃		21.9	mg/l
Calcium Hardness, CaCO ₃		92.6	mg/l
Calcium, Ca		37.1	mg/l
Magnesium, Mg		5.32	mg/l

Southern States Utilities
Attn: Aaron Perlowich

Report #: 2000 (89-01-134)
Page 8 of 9

QUALITY CONTROL DATA SHEET

DUPLICATES:

PARAMETER	% DIFFERENCE	DATE	ANALYST
1,2,4-Trichlorobenzene	8	01-18-89	L.B.
Acenaphthene	6	01-18-89	L.B.
2,4-Dinitrotoluene	6	01-18-89	L.B.
Pyrene	6	01-18-89	L.B.
N-Nitroso-Di-n-Propylamine	4	01-18-89	L.B.
1,4-Dichlorobenzene	3	01-18-89	L.B.
Pentachlorophenol	30	01-18-89	L.B.
Phenol	5	01-18-89	L.B.
2-Chlorophenol	6	01-18-89	L.B.
4-Chloro-3-Methylphenol	10	01-18-89	L.B.
4-Nitrophenol	30	01-18-89	L.B.
Diazinon	19	01-16-89	J.H.
Malathion	2	01-16-89	J.H.
Lindane	3	01-17-89	J.H.
Endrin	4	01-17-89	J.H.
Methoxychlor	21	01-17-89	J.H.
2,4-D	5	01-17-89	J.H.
2,4,5-TP	9	01-17-89	J.H.
EDB	20	01-16-89	J.H.
Aldicarb	5	01-17-89	J.H.
Arsenic	<1	01-27-89	J.H.
Barium	1	01-23-89	A.H.
Cadmium	2	01-19-89	J.C.
Chromium	6	01-20-89	C.G.
Lead	<1	01-18-89	J.C.
Mercury	<1	01-30-89	J.C.
Selenium	3	01-23-89	C.G.
Silver	<1	01-18-89	A.H.
Calcium	<1	01-23-89	A.H.
Magnesium	1	01-23-89	A.H.
Iron	1	01-23-89	A.H.
Manganese	3	01-23-89	A.H.
Copper	1	01-24-89	A.H.
Zinc	<1	01-23-89	A.H.
Sodium	<1	01-23-89	A.H.
pH	1	01-14-89	D.A.
Total Alkalinity	6	01-14-89	D.A.
Odor	<1	01-14-89	D.A.
MBAS	2	01-14-89	D.A.
Turbidity	2	01-13-89	P.S.
Color	<1	01-13-89	P.S.
Hydrogen Sulfide	4	01-15-89	D.A.
Fluoride	4	01-15-89	D.A.
TDS	4	01-17-89	C.G.
Specific Conductance	<1	01-18-89	C.F.
Sulfate	3	01-18-89	C.F.
Chloride	<1	01-18-89	C.G.
Nitrates	1	01-18-89	C.G.
Gross Alpha	4.7	01-20-89	J.B.

Southern States Utilities
Attn: Aaron Perlowich

Report #: 2000 (89-01-134)
Page 9 of 9:

QUALITY CONTROL DATA SHEET

SPIKES:

PARAMETER	Z RECOVERY	DATE	ANALYST
1,2,4-Trichlorobenzene	73/79	01-18-89	L.B.
Acenaphthene	83/78	01-18-89	L.B.
2,4-Dinitrotoluene	87/82	01-18-89	L.B.
Pyrene	79/74	01-18-89	L.B.
N-Nitroso-Di-n-Propylamine	82/79	01-18-89	L.B.
1,4-Dichlorobenzene	71/69	01-18-89	L.B.
Pentachlorophenol	99/73	01-18-89	L.B.
Phenol	43/45	01-18-89	L.B.
2-Chlorophenol	69/65	01-18-89	L.B.
4-Chloro-3-Methylphenol	65/72	01-18-89	L.B.
4-Nitrophenol	69/51	01-18-89	L.B.
Diazinon	164/183	01-16-89	J.H.
Malathion	86/88	01-16-89	J.H.
Lindane	81/78	01-17-89	J.H.
Endrin	95/91	01-17-89	J.H.
Methoxychlor	92/113	01-17-89	J.H.
2,4-D	129/134	01-17-89	J.H.
2,4,5-TP	108/117	01-17-89	J.H.
EDB	91/112	01-16-89	J.H.
Aldicarb	75/70	01-17-89	J.H.
Arsenic	105	01-27-89	J.H.
Barium	100	01-23-89	A.H.
Cadmium	95	01-19-89	J.C.
Chromium	107	01-20-89	C.G.
Lead	101	01-18-89	J.C.
Mercury	94	01-30-89	J.C.
Selenium	101	01-23-89	C.G.
Silver	97	01-18-89	A.H.
Calcium	97	01-23-89	A.H.
Magnesium	96	01-23-89	A.H.
Iron	105	01-23-89	A.H.
Manganese	97	01-23-89	A.H.
Copper	108	01-24-89	A.H.
Zinc	107	01-23-89	A.H.
Sodium	95	01-23-89	A.H.
pH	N/A		
Total Alkalinity	100/95	01-14-89	D.A.
Odor	N/A		
MBAS	106/104	01-14-89	D.A.
Turbidity	N/A		
Color	N/A		
Hydrogen Sulfide	93/96	01-15-89	D.A.
Fluoride	92/96	01-15-89	D.A.
TDS	108/104	01-17-89	C.G.
Specific Conductance	98/98	01-18-89	C.F.
Sulfate	98/91	01-18-89	C.F.
Chloride	97/97	01-18-89	C.G.
Nitrates	95/94	01-18-89	C.G.
Gross Alpha	101/96	01-20-89	J.B.

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

LABORATORY USE ONLY
DEC 4 11 58 AM '91
12/5

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Little Lake Estate SYSTEM I.D. NO: 2540545 SYSTEM PHONE #: 49-4143
ADDRESS: Velvet Ave COUNTY: Putnam DER DISTRICT: 2
COLLECTOR: Roy White COLLECTOR PHONE #: 1019-4143
SAMPLE SITE (Locality or Subdivision): Subdivision
DATE AND TIME COLLECTED: 12/1/91 10:00 AM
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other (Specify)
(Check Box) (Check Box)
[X] Distribution [] TNTC or [] Turbid
[X] Raw []

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	pH	ANALYSIS METHOD: MF	NTF	MMO-MUG	PA	
1	Well #1		7.4	052600	M	A		
2	Well #2		7.4	052607	M	A		
3	Dist 1 E-5 Orient	1.0		052608		A		
4	Dist 2 K-12 Guron	.8		052609		A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present
A - Coliforms are absent

C - Confluent growth
TNTC - Too numerous to count

TA - Turbid, Absence of gas or acid

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES
Putnam County Office
P. O. Box 458
Pomona Park, FL 32181

() Blanca R. Rodriguez, Engineer
() SATISFACTORY
() INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES
DEC 12 1991

REVIEWING OFFICIAL:

TITLE:

1189 Form 662, Jan 91 (Changing provisions will be made without notice)
(Stock Number: 6160-000-0000-1)

Jungle Den - 1802

Volusia County (SSU)

Water

- 1992 FPSC Filing -

Jungle Den

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	*
Organic	*
Volatile Organic Chemicals	*
	*
	*
	*
Turbidity	*
Microbiological	12/91
Radionuclide	*
Secondary Contaminants	*
Unregulated Contaminants	*

* Water is purchased from Astor-Astor Park Water Association for Jungle Den.



AQUA PURE
WATER & SEWAGE SERVICE, INC.
P. O. Box 621 • Silver Springs, Florida 32688

Telephone
(904) 625-2822
Fax (904) 625-6638

LAB USE ONLY

DATE COLLECTED 12-11-91		TIME 7:30	COUNTY Volusia	COLLECTOR R. Boyd		TIME REC'D 8:15 AM		DATE TESTED 12-11-91					
TYPE OF SUPPLY		CITY/TOWN	S/D	TRAIL P/B	INST.	SCHOOL	BOTTLED	MOTEL	REST.	GARY	POOL	HOME	OTHER
NAME OF S/D OR LOCALITY BEING SERVED JUNGLE DEV						NAME OR LOCATION OF WATER PLANT 445-A Astor Park							
TYPE OF SAMPLE		ROUTINE	RE-CHECK	MAIN CLEARANCE	WELL SURVEY		OTHER						
LAB		AQUA PURE WATER LAB #83188						SYSTEM I.D. No. 3644127					

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. Services
Southern States Utilities, Inc.
P.O. Box 11179
Ocala, Fl. 32673

PHONE #

Purchased water
from City of Astor
for SSU Services

LAB NO.	COLL. NO.	SAMPLING POINT	APPEAR- ANCE	CL RESID.	PH	TEMP 100 ML	TEMP 100 ML	NON- COLIFORM	CONFIRMATION E. COLI	RECAL
4126	1	1616 JUNO TRAIL	Clear	0.8	7.4		A			
4127	2	1848 ALICE DRIVE	Clear	0.8	7.4		A			

WATER BACTERIOLOGY

REPORTS MAY BE DISCARDED
AFTER SIX MONTHS

ANALYST:

Sent to
Volusia County
Sanitation

RECEIVED

Ch. J. J. J.

BY NAME

Environmental Specialist

AT TIME SAMPLE TAKEN:

- ☒ SATISFACTORY
☐ UNSATISFACTORY
☐
☐ RE-SUBMIT

Keystone Heights - 1094

Clay County (SSU)

Water

- 1992 FPSC Filing -

Keystone Heights

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	8/91
Organic	8/91
Volatile Organic Chemicals	1/91
	4/91
	7/91
	10/91
Turbidity	8/91
Microbiological	12/91
Radionuclide	8/88
Secondary Contaminants	8/91
Unregulated Contaminants	1/91



Keystone Heights Office

480 S. Lawrence Blvd.
Keystone Heights, FL 32656
(904) 473-4804

February 28, 1991

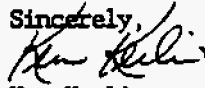
Ms. Vicki Stanford
Florida Department of Environmental Regulation
N. E. District: St. Johns River Subdistrict
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577

Dear Ms. Stanford:

Enclosed are copies of lab results for the following:
Geneva Lake Estates, #2041320 -- Primary Organics; and
Postmasters Village, #2100912 -- Primary Organics, Primary
Inorganics, Secondary Standards and Turbidity.

The analysis for Volatile and Unregulated Contaminants
was completed for the plants listed below:

Keystone Heights	#2100610
Keystone Club Estates	#2040412
Geneva Lake Estates	#2041320
Postmasters Village	#2100912
Lakeview Villa	#2104350

Sincerely,

Ken Kerlin
Lead Operator

Encs.

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: SEE ATTACHED LIST

Public Water System Name: SEE ATTACHED LIST

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ___; Inorganic ___; Trihalomethane ___;

Volatile Organic ___; Organic Chemical ___; Secondary Chemical ___; Radiological ___;

Unregulated Organic Purgeable ___; - Unregulated Organic Pesticide ___;

Unregulated Base Neutral Extractable ___; Unregulated Acid Extractable ___;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 16080

Sample Location (be specific): Hose Subst at wells

Sample Type (check all applicable):

☒ Check

☐ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☐ Well

☐ Resample

☒ Special Analysis every 36 months

Sampler Name, Title, Phone:

A. Kurlin - Lead Operator - 904-473-4804

ANALYSIS INFORMATION

Extraction Date: 2/1/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check) ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ___; Inorganic ___; Trihalomethane ___;

Volatile Organic ___; Organic Chemical ___; Secondary Chemical ___; Radiological ___;

Unregulated Organic Purgeable ___; Unregulated Organic Pesticide ___;

Unregulated Base Neutral Extractable ___; Unregulated Acid Extractable ___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name:

Dr. Jefferson S. Flowers

Title:

Technical Director

Laboratory:

Flowers Chemical Laboratories, Inc.

Date:

2/18/91

Mail Results to the

Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01

Sample interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

SSU SERVICES

P. O. Box 705, Keystone Heights, FL 32656

SAMPLES #1 and #2

I.D. Number: 2100610
System Name: Keystone Heights

SAMPLES #3 and #4

I.D. Number: 2040412
System Name: Keystone Club Estates

SAMPLE #5

I.D. Number: 2104350
System Name: Lakeview Villa

SAMPLES #6 and #7

I.D. Number: 2041320
System Name: Geneva Lake Estates

SAMPLES #8 and #9

I.D. Number: 2100912
System Name: Postmasters Village

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
PO Box 705
Keystone, FL 32656

Date Reported: Feb19 1991

PO Number: Clay/Bradford

PD Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 1-5

Date Received:

Jan24 1991

Lab Number : 16080

REPORT OF ANALYSIS

16080					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	91.6	5.28	<0.000005
Para-dichlorobenzene	mg/L	0.001	95.7	1.65	<0.001
Vinyl chloride	mg/L	0.001	96.2	1.51	<0.001
1,1-dichloroethene	mg/L	0.001	95.2	1.78	<0.001
1,2-dichloroethane	mg/L	0.001	90.7	1.78	<0.001
1,1,1-trichloroethane	mg/L	0.001	95.2	1.78	<0.001
Carbon tetrachloride	mg/L	0.001	96.2	1.51	<0.001
Trichloroethene	mg/L	0.001	96.2	1.51	<0.001
Tetrachloroethene	mg/L	0.001	94.3	2.04	<0.001
Benzene	mg/L	0.001	87.1	1.52	<0.001
Chloromethane	mg/L	0.001	103	2.04	<0.001
Dichlorodifluorometh	mg/L	0.001	89.0	1.994	<0.001
Bromomethane	mg/L	0.001	103	2.04	<0.001
Chloroethane	mg/L	0.001	95.2	2.05	<0.001
Trichlorofluorometha	mg/L	0.001	89.0	1.994	<0.001
trans-1,3-dichlorop	mg/L	0.001	88.2	1.481	<0.001
cis-1,3-dichloroprop	mg/L	0.001	90.8	1.32	<0.001
Methyl-tert-butyleth	mg/L	0.001	101	1.871	<0.001
cis-1,2-dichloroethe	mg/L	0.001	90.8	1.32	<0.001
Dibromomethane	mg/L	0.001	103	2.04	<0.001
1,1-dichloropropene	mg/L	0.001	96.1	2.9	<0.001
1,3-dichloropropane	mg/L	0.001	88.2	1.481	<0.001
1,2,3-trichloropropan	mg/L	0.001	102	4.20	<0.001
2,2-dichloropropane	mg/L	0.001	85.2	2.05	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	102	4.20	<0.001
Chloroform	mg/L	0.001	89.7	1.56	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 8

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALABAMA SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

0786



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
PO Box 705
Keystone, FL 32656

Date Reported: Feb19 1991

PO Number: Clay/Bradford

PD Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 294
SCDHEC Lab# : 96019

For: 1-5

Date Received:

Jan24 1991

Lab Number : 16080

REPORT OF ANALYSIS

					16080
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Bromoform	mg/L	0.001	97.5	2.22	<0.001
Bromodichloromethane	mg/L	0.001	91.6	1.68	<0.001
Dibromochloromethane	mg/L	0.001	98.4	2.09	<0.001
p-xylene	mg/L	0.001	91.6	1.68	<0.001
Methylene chloride	mg/L	0.001	103	2.04	<0.001
o-chlorotoluene	mg/L	0.001	87.6	1.1	<0.001
p-chlorotoluene	mg/L	0.001	105	2.79	<0.001
m-dichlorobenzene	mg/L	0.001	91.6	1.96	<0.001
o-dichlorobenzene	mg/L	0.001	93.7	3.86	<0.001
1,1-dichloroethane	mg/L	0.001	82.9	1.48	<0.001
trans-1,2-dichloroet	mg/L	0.001	92.4	0.8	<0.001
1,2-dichloropropane	mg/L	0.001	92.1	1.860	<0.001
1,1,2-trichloroethan	mg/L	0.001	97.7	2.14	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	89.8	1.1	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	92.5	1.34	<0.001
Chlorobenzene	mg/L	0.001	92.3	1.265	<0.001
Toluene	mg/L	0.001	105	2.79	<0.001
Ethylbenzene	mg/L	0.001	87.2	2.01	<0.001
Bromobenzene	mg/L	0.001	92.3	1.265	<0.001
m-xylene	mg/L	0.001	91.6	1.68	<0.001
Styrene	mg/L	0.001	105	2.79	<0.001
o-xylene	mg/L	0.001	91.6	1.68	<0.001
Dalapon	mg/L	0.000001	122	12.0	<0.000001
Oxamyl (Vydate)	mg/L	0.002	89.5	3.16	<0.002
Simazine	mg/L	0.007	101	0.83	<0.007
Picloram	mg/L	0.00007	106	3.61	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 3 of 8

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTA SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5964
FAX (407) 260-6110

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
PO Box 705
Keystone, FL 32656

Date Reported: Feb19 1991

PO Number: Clay/Bradford

PO Number

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: 1-5

Date Received:

Jan24 1991

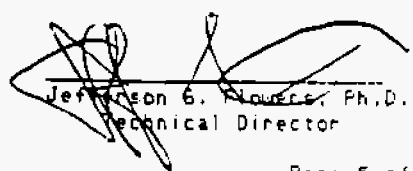
Lab Number : 16080

REPORT OF ANALYSIS

16080					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	118	10.0	<0.00001
Aldicarb sulfoxide	mg/L	0.002	95.0	2.23	<0.002
Aldicarb sulfone	mg/L	0.002	100	3.16	<0.002
Metolachlor	mg/L	0.0005	106	4.60	<0.0005
Carbofuran	mg/L	0.001	96.0	1.06	<0.001
Aldicarb	mg/L	0.002	97.7	2.04	<0.002
Atrazine	mg/L	0.002	101	0.7	<0.002
Alachlor (Lasso)	mg/L	0.0002	107	3.91	<0.0002
Heptachlor	mg/L	0.000005	107	3.99	<0.000005
Aldrin	mg/L	0.00007	109	5.35	<0.00007
Dieldrin	mg/L	0.00001	107	4.3	<0.00001
Dicamba	mg/L	0.00001	128	15.1	<0.00001
Chlordane	mg/L	0.00001	99.0	0.58	<0.00001
Pentachlorophenol	mg/L	0.005	90.8	5.60	<0.005
Hexachlorocyclopenta	mg/L	0.001	91.4	5.2	<0.001
Dioxin	mg/L	0.00001	97.7	3.8	<0.00001
Isophorone	mg/L	0.001	99	1.4	<0.001
2,4-dinitrotoluene	mg/L	0.001	103	3.5	<0.001
Dimethylphthalate	mg/L	0.001	100	0.3	<0.001
Diethylphthalate	mg/L	0.001	98.6	2	<0.001
Di-n-butylphthalate	mg/L	0.001	101	0.8	<0.001
Butyl benzyl phthala	mg/L	0.001	97.7	3.4	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	99.2	1.1	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.7	0.4	<0.001
PCB-1016	mg/L	0.0001	99.2	3.7	<0.0001
PCB-1221	mg/L	0.0001	93.5	4	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson G. Flowers, Ph.D.
Technical Director

Page 5 of 8

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
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ALACHUA SPRINGS
FLORIDA 32715-0697
BUS: (407) 338-5064
FAX: (407) 260-6110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
PO Box 705
Keystone, FL 32656

Date Reported: Feb19 1991

PO Number: Clay/Bradford

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 1-5

Date Received:

Jan24 1991

Lab Number : 16080

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	16080		
			%ACC	%PRC	
PCB-1232	mg/L	0.0001	96.0	2.4	<0.0001
PCB-1242	mg/L	0.0001	93.0	4.2	<0.0001
PCB-1248	mg/L	0.0001	99.7	3.4	<0.0001
PCB-1254	mg/L	0.0001	106	3.2	<0.0001
PCB-1260	mg/L	0.0001	94.0	3.7	<0.0001
Dioctylphthalate	mg/L	0.001	98.9	1.6	<0.001
2-chlorophenol	mg/L	0.001	101	2.1	<0.001
2-methyl-4,6-dinitrophenol	mg/L	0.001	106	7.5	<0.001
Phenol	mg/L	0.001	84.1	27	<0.001
2,4,6-trichlorophenol	mg/L	0.001	93.3	10	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 7 of 8

Jefferson S. Flowers, Ph.D.
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481 NEWBURYPORT
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ALBANY, FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

0789

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU

490 S. Laurence Blvd.
Keystone, FL 32656

Date Reported: Apr 25 1991

PD Number: 891049

PD Number SSU

FDHRS Lab# : 89139

FOER Lab# : E83018

NCDEHNR Lab# : 296

SCOHEC Lab# : 96019

For: 1,2,3,4,45

Date Received:

April 6 1991

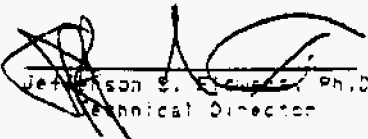
Lab Number : 16650

REPORT OF ANALYSIS

Parameter	Unit	Method	16650		
			%ACC	%PRC	
		Detection Limit			
Ethylene dibromide	mg/L	0.000005	94.8	7.15	<0.000005
Para-dichlorobenzene	mg/L	0.001	118	1.42	<0.001
Vinyl chloride	mg/L	0.001	100	2.58	<0.001
1,1-dichloroethene	mg/L	0.001	100	2.58	<0.001
1,2-dichloroethane	mg/L	0.001	111	1.63	<0.001
1,1,1-trichloroethane	mg/L	0.001	102	1.39	<0.001
Carbon tetrachloride	mg/L	0.001	105	2.16	<0.001
Trichloroethene	mg/L	0.001	100	1.545	<0.001
Tetrachloroethene	mg/L	0.001	106	1.98	<0.001
Benzene	mg/L	0.001	104	1.730	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 2

Jefferson S. Flowers, Ph.D.
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ALAMONTE SPRINGS
FLORIDA 32715-0697
BUS: (407) 330-5964
FAX: (407) 260-4410

0790

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det. Limit Used	Analysis Date
2946	Ethylene dibromide	16650	.00002	<.000005	EPA504.1	.000005	4/23/91
2969	Para-dichlorobenzene	16650	.075	<0.001	EPA502.2	0.001	4/23/91
2976	Vinyl chloride	16650	0.001	<0.001	EPA502.2	0.001	4/23/91
2977	1,1-dichloroethene	16650	0.007	<0.001	EPA502.2	0.001	4/23/91
2980	1,2-dichloroethane	16650	0.003	<0.001	EPA502.2	0.001	4/23/91
2981	1,1,1-trichloroethane	16650	0.2	<0.001	EPA502.2	0.001	4/23/91
2982	Carbon tetrachloride	16650	0.003	<0.001	EPA502.2	0.001	4/23/91
2984	Trichloroethene	16650	0.003	<0.001	EPA502.2	0.001	4/23/91
2987	Tetrachloroethene	16650	0.003	<0.001	EPA502.2	0.001	4/23/91
2990	Benzene	16650	0.001	<0.001	EPA502.2	0.001	4/23/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2100610
 Public Water System Name: Keystone Hg/S #1 & #3
 Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
 Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
 Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
 Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
 Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
 Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
 Laboratory Sample Number: 16650
 Sample Location (be specific):
 Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composit
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
 Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: / /
 Laboratory Cont. Dr. J.S. Flowers
 Resample Requested? (che ☐ Yes ☒ No
 ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
 Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
 Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
 Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/24/91

Mail Results to the
 Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
 Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

FROM	Lab	00010
FROM	Lab	00130
FROM	Lab	000
FROM	Lab	00010

Attn: Ken

ANALYTICAL & CONSULTING CHEMISTS
CHART OF CUSTODY RECORD
DRINKING WATER 17-359, _____[illegible]

2) SAMPLE INFORMATION; SAMPLE DATE: MONTH 4 DATE 16 YEAR 91
 SAMPLE TYPE (check all applicable); () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 (☒) raw, (☒) well, () resample () special
 SAMPLER'S NAME: K. Kurkin TITLE: Lead Operator PHONE: 904-473-4804
 SAMPLER'S SIGNATURE: K. Kurkin

NOTES:

SAMPLE #1. WELL #1 KEYSTONE HEIGHTS I.D. # 2100610

2. WELL #3 KEYSTONE HEIGHTS I.D. # 2100610

3. WELL #1 KEYSTONE CLUB ESTATES I.D. # 2040412

4. WELL #2 KEYSTONE CLUB ESTATES I.D. # 2040412

5. WELL LAKEVIEW VILLA I.D. # 2104350 "OVER"

5. WELL LAKEVIEW

1) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trichloromethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgable; Unregulated Organic Pesticide; Unregulated Base Flow; Extractable; Unregulated Acid Extractable;

6. Laboratory Number _____

16650
16651

Discreet Sample Identification

#1 1, 2, 3, 4 & 5 (pk. comp.)
#2 6, 7, 8 & 9 (pk. comp.)

02 127, 2nd (p. 117)

g 6/Collector's Signature:

Signature:

8) Lab Acceptance By:

K. Kullini

Date
4-6-5

1120

4/11/91

1105



5
Keystone Heights Office

490 S. Lawrence Blvd.
Keystone Heights, FL 32856
(804) 473-4804

August 12, 1991

Ms. Vicki Singer
Florida Department of Environmental Regulation
N.E. District-- St. Johns River Subdistrict
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577

Dear Ms. Singer:

Please find enclosed the third quarter sampling results for VOC analyses. The results are as follows:

Lab Number 17330--

#1	Keystone Heights	Well #1
#2	Keystone Heights	Well #3
#3	Keystone Club Estates	Well #1
#4	Keystone Club Estates	Well #2
#5	Lakeview Villa	Well

Lab Number 17331

#6	Geneva Lake Estates	Well #1
#7	Geneva Lake Estates	Well #2
#8	Postmaster Village	Well #1
#9	Postmaster Village	Well #2

Sincerely,

William K. Karlin
William K. Karlin
Licensed Plant Operator

Enc. -2

Keystone Hts #1 & 2
" Club #1 & 2

Lakeview

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
490 S. Lawrence Blvd.
Keystone Hts, FL 326

Date Reported: Jul 29 1991

PO Number: 891049

PO Number SSU

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHHS Lab# : 296

SCDHEC Lab# : 96019

For: 1-5

Date Received:

Jul 18 1991

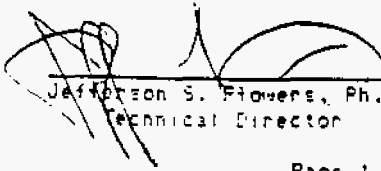
Lab Number : 17330

REPORT OF ANALYSIS

					17330
Parameter	Unit	Method	XACC	XPRC	
		Detection Limit			
Ethylene dibromide	mg/L	0.000005	103	.835	<0.000005
Para-dichlorobenzene	mg/L	0.001	105	3.82	<0.001
Vinyl chloride	mg/L	0.001	90.3	4.80	<0.001
1,1-dichloroethene	mg/L	0.001	90.3	4.80	<0.001
1,2-dichloroethane	mg/L	0.001	93.1	4.47	<0.001
1,1,1-trichloroethane	mg/L	0.001	93.7	5.44	<0.001
Carbon tetrachloride	mg/L	0.001	87.3	6.87	<0.001
Trichloroethene	mg/L	0.001	94.9	4.29	<0.001
Tetrachloroethene	mg/L	0.001	98.4	4.40	<0.001
Benzene	mg/L	0.001	94.0	.073	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 2

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 260-6110

0795

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____

Public Water System Name _____

Public Water System Type (check one):

☐ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;

Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____

Laboratory Sample Number 17330

Sample Location (be specific): _____

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date ____/____/____

Laboratory Contact Dr. J.S. Flowers

Resample Requested? (check) Yes _____

(X) No

ANALYSIS SUBMITTEE: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;

Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: _____

Name

Dr. Jefferson S. Flowers

Title

Technical Director

Laboratory

Flowers Chemical Laboratories, Inc.

Date

7/24/91

Mail Results to the

Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official: _____

PWSA.01

Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17330	.00002	<.000005	EPA504.1	.000005	7/24/91
2969	Para-dichlorobenzene	17330	.075	<0.001	EPA502.2	0.001	7/19/91
2976	Vinyl chloride	17330	0.001	<0.001	EPA502.2	0.001	7/19/91
2977	1,1-dichloroethene	17330	0.007	<0.001	EPA502.2	0.001	7/19/91
2980	1,2-dichloroethane	17330	0.003	<0.001	EPA502.2	0.001	7/19/91
2981	1,1,1-trichloroethane	17330	0.2	<0.001	EPA502.2	0.001	7/19/91
2982	Carbon tetrachloride	17330	0.003	<0.001	EPA502.2	0.001	7/19/91
2984	Trichloroethene	17330	0.003	<0.001	EPA502.2	0.001	7/19/91
2987	Tetrachloroethene	17330	0.003	<0.001	EPA502.2	0.001	7/19/91
2990	Benzene	17330	0.001	<0.001	EPA502.2	0.001	7/19/91

Comments:



Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client SSU
Address 490 S. LAWRENCE BLVD.
KEYSTONE HEIGHTS, FL 32050
Phone (904) 473-4804

FCL Client No.

FCL Project Manager

FCL Lab Coordinator

Requested Due Date:

P.O. Number

Project Name / No.

Contact

Sampled By (PRINT):

Sample Signature KEN KERLIN Date Sampled

Only Sampled

7-17-51

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO.	CO	UNPR	H ₂ SO ₄	HNO ₃	HCl								
1	17THRU *5 COMPOSITE				27													
2	*17THRU *5 COMPOSITE			17330														
3	*6THRU *9 COMPOSITE			17331														
4																		
5																		
6																		

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
UPS		7/12/11		<i>[Signature]</i>	7/12/11	9:25 AM			
SPECIAL INSTRUCTIONS									

SHIP WITH SAMPLES; TO BE RETURNED WITH RESIDUES

0798

New Works / New Client

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
490 S. Lawrence Blvd.
Keystone, FL 32656

Date Reported: Nov 8 1991

PO Number: HOLD REPORT

PO Number SSU Serv.

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: 1

Date Received:

Oct31 1991

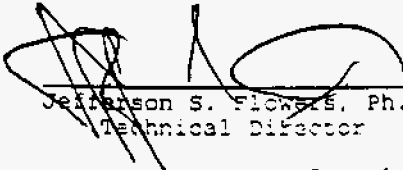
Lab Number : 18180

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18180
Ethylene dibromide	mg/L	0.000005	108	7.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	94.9	.792	<0.001
Vinyl chloride	mg/L	0.001	119	7.46	<0.001
1,1-dichloroethene	mg/L	0.001	119	7.46	<0.001
1,2-dichloroethane	mg/L	0.001	108	1.48	<0.001
1,1,1-trichloroethane	mg/L	0.001	114	.935	<0.001
Carbon tetrachloride	mg/L	0.001	115	10.7	<0.001
Trichloroethene	mg/L	0.001	108	3.52	<0.001
Tetrachloroethene	mg/L	0.001	107	2.33	<0.001
Benzene	mg/L	0.001	109	.956	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 2

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FAX (407) 250-1110

0799

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: SEE ATTACHED CHAIN OF CUSTODY RECORD

Public Water System Name: SEE ATTACHED

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 18180

Sample Location (be specific): HOSE BIBB AT DISCHARGE SIDE OF PRESSURE TANK

Sample Type (check all applicable):

☐ Check

☒ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: Ken Kurlin - Operator II

904-473-4804

ANALYSIS INFORMATION

Extraction Date: 1/1/

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check) ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 11/7/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18180	.00002	<.000005	EPA504.1	.000005	11/7/91
2969	Para-dichlorobenzene	18180	.075	<0.001	EPA502.2	0.001	10/31/91
2976	Vinyl chloride	18180	0.001	<0.001	EPA502.2	0.001	10/31/91
2977	1,1-dichloroethene	18180	0.007	<0.001	EPA502.2	0.001	10/31/91
2980	1,2-dichloroethane	18180	0.003	<0.001	EPA502.2	0.001	10/31/91
2981	1,1,1-trichloroethane	18180	0.2	<0.001	EPA502.2	0.001	10/31/91
2982	Carbon tetrachloride	18180	0.003	<0.001	EPA502.2	0.001	10/31/91
2984	Trichloroethene	18180	0.003	<0.001	EPA502.2	0.001	10/31/91
2987	Tetrachloroethene	18180	0.003	<0.001	EPA502.2	0.001	10/31/91
2990	Benzene	18180	0.001	<0.001	EPA502.2	0.001	10/31/91

Comments:

**CHEMICAL
LABORATORIES
INCORPORATED**

FDER	Labr	201018
FOHRS	Labr	201020
NOCEHNA	Labr	201021
SOCHEC	Labr	201022

**ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
- DRINKING WATER 17-550**

(1) Client S.S.U. services	(2) Address 490 S. Lawrence Blvd. Keystone Heights FL 32656	(3) Phone (904) 473-4804
(4) Public Drinking Water ID # - LISTED Below -		(5) Public Water System Name - LISTED Below -
(6) Project #		(7) Public Water System Type
(8) PO#		(9) Community () Non-Community () Special Non-Community

Preservative Plastic Containers							Glass Containers						NOTES:
1PKD	ZnOACNaOH	60ml	125ml	250ml	500ml	Whirl Pac Bag	40ml	250ml	500ml	1L	2L	1F	
							X						(12) Turn Around Time: 10 Working Days : _____ 5 Working Days : _____ 3 Working Days : _____ 1 Working Day : _____ Other : _____

9 wells - Please Comp. into 2 = samples.

(10) Kit Relinquished <i>[Signature]</i>	(11) Date 10-30-91	(12) Kit Received <i>K. Kulin</i>	(13) Date 10-30-91
(14) Parameter Group(s) Analyzed: Organic Chemical; Secondary Chemical; Unregulated Organic Pesticide	Turbidity; Inorganic; Trihalomethane; Volatile Organic; Radiological; Unregulated Acid Extractable		

(16) Laboratory Number

(11) Client Sample Identification

	18180	#1 PWS I.D. # 2100610 - WELL #1 KEYSTONE HEIGHTS #2 PWS I.D. # 2100610 - WELL #3 KEYSTONE HEIGHTS #3 PWS I.D. # 2040412 - WELL #1 KEYSTONE CIVA ESTATES #4 PWS I.D. # 2040412 - WELL #2 KEYSTONE CIVA ESTATES #5 PWS I.D. # 2104350 - WELL #1 LAKEVIEW VILLA #6 PWS I.D. # 2041320 - WELL #1 GENEVA LK. ESTATES #7 PWS I.D. # 2041320 - WELL #2 GENEVA LK. ESTATES #8 PWS I.D. # 2100912 - WELL #1 POSTMASTERS VILLAGE #9 PWS I.D. # 2100912 - WELL #2 POSTMASTERS VILLAGE #10
	18181	#1 PWS I.D. # 2100610 - WELL #1 KEYSTONE HEIGHTS #2 PWS I.D. # 2100610 - WELL #3 KEYSTONE HEIGHTS #3 PWS I.D. # 2040412 - WELL #1 KEYSTONE CIVA ESTATES #4 PWS I.D. # 2040412 - WELL #2 KEYSTONE CIVA ESTATES #5 PWS I.D. # 2104350 - WELL #1 LAKEVIEW VILLA #6 PWS I.D. # 2041320 - WELL #1 GENEVA LK. ESTATES #7 PWS I.D. # 2041320 - WELL #2 GENEVA LK. ESTATES #8 PWS I.D. # 2100912 - WELL #1 POSTMASTERS VILLAGE #9 PWS I.D. # 2100912 - WELL #2 POSTMASTERS VILLAGE #10

(13) Collectors Signature:

K. Kerlin

Date
10-31-91

Time

(14)Transporters Signature:

K. K. K.

10-31-51

1415-278

(15) Lao Acceptance By:

$$\frac{\Delta}{77} = \frac{K_1 + K_2}{77}$$

10-37-97
10-31-97

1915 HRS.
3:30-7

Over for numbered instructions.



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
490 S. Lawrence Blvd.
Keystone Hgts, FL 3265

Date Reported: Aug 29 1991

PO Number: 2100610

PO Number Keystone Hght

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#1

Date Received:

Aug 14 1991

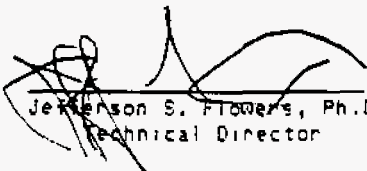
Lab Number : 17507

REPORT OF ANALYSIS

					17507
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Turbidity	NTU	0.05	92.5	2.90	0.37
Arsenic	mg/L	0.0005	95.5	7.92	0.000756
Barium	mg/L	0.01	115	.154	0.04
Cadmium	mg/L	0.001	108	.889	0.005
Chromium	mg/L	0.005	99.8	.570	0.016
Fluoride	mg/L	0.05	101	.065	0.529
Lead	mg/L	0.001	101	3.59	0.0015
Mercury	mg/L	0.0002	92.4	1.06	0.000287
Nitrate (as N)	mg/L	0.01	132	11.5	0.522
Selenium	mg/L	0.0005	114	7.65	<0.0005
Silver	mg/L	0.005	97.8	.180	<0.005
Sodium	mg/L	0.002	115	.400	4.65
Endrin	mg/L	0.000001	105	2.95	<0.000001
Lindane	mg/L	0.000001	95.5	1.98	<0.000001
Methoxychlor	mg/L	0.00001	108	5.92	<0.00001
Toxaphene	mg/L	0.0001	102	2.50	<0.0001
2,4-D	mg/L	0.00005	109	3.58	<0.00005
2,4,5-TP (Silvex)	mg/L	0.00002	103	.687	<0.00002
Calcium	mg/L	0.1	117	.904	29
Chloride	mg/L	0.015	92.7	.172	6.95
Carbonate CaCO3	mg/L	0.1	117		87.01
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	96.9	.228	<0.005
Bicarbonate CaCO3	mg/L	0.1			86.3
Bicarbonate HCO3	mg/L	0.1			0.8
Hydrogen Sulfide	mg/L	0.5			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 4

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FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
490 S. Lawrence Blvd.
Keystone Hgts, FL 3265

Date Reported: Aug29 1991

PO Number: 2100610

PO Number Keystone Hght

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#1

Date Received:

Aug14 1991

Lab Number : 17507

REPORT OF ANALYSIS

					17507
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Iron	mg/L	0.01	90.0	.039	0.106
Magnesium	mg/L	0.01	116	.456	6.4
Manganese	mg/L	0.005	118	1.06	0.048
Sulfate	mg/L	0.2	90.2	2.73	4.001
Zinc	mg/L	0.001	116	.202	0.005
Carbon_Dioxide	mg/L	0.1			1.8
Color (color units)	mg/L	5	-	.000	<5
Total_Hardness	mg/L	0.1			98.8
NCH_as_CaCO3	mg/L	0.1			11.6
Odor (total odor num	TON	1	-	-	<1
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	98.9	.397	7.98
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	92.1	.182	87.01
TDS	mg/L	2.5	99.8	.872	126
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier_Index	LX	0.01			0.1
Saturation_Index	pHs	0.01			7.88
Stability_Index	pH	0.01			7.78
Foaming_Agents	mg/L	0.1	105	-	<0.1
Field DO	mg/L	0.1			-
Field Chlorine	mg/L	0.1			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.

Methods of analysis in accordance with FCL QA and EPA approved methodology.


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0804

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	17507	1	.370	EPA180.1	0.05	8/27/91

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	17507	0.05	.000756	EPA208.3	0.0005	8/19/91
1010	Barium	17507	1	.0400	EPA208.1	0.01	8/15/91
1015	Cadmium	17507	0.01	.00500	EPA213.1	0.001	8/15/91
1020	Chromium	17507	0.05	.0160	EPA218.1	0.005	8/15/91
1025	Fluoride	17507	4	.529	EPA340.1	0.05	8/26/91
1030	Lead	17507	0.05	.00150	EPA239.2	0.001	8/15/91
1035	Mercury	17507	0.002	.000287	EPA245.1	0.0002	8/27/91
1040	Nitrate(as N)	17507	10	.522	EPA353.1	0.01	08-15-91
1045	Selenium	17507	0.01	<0.0005	EPA270.3	0.0005	8/19/91
1050	Silver	17507	0.05	<0.005	EPA272.1	0.005	8/15/91
1052	Sodium	17507	160	4.65	EPA273.1	0.002	8/15/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	17507	0.0002	<.000001	EPA508	.000001	8/19/91
2010	Lindane	17507	0.004	<.000001	EPA508	.000001	8/19/91
2015	Methoxychlor	17507	0.1	<0.00001	EPA508	0.00001	8/26/91
2020	Toxaphene	17507	0.005	<0.0001	EPA508	0.0001	8/19/91
2105	2,4-D	17507	0.1	<0.00005	EPA515	0.00005	8/26/91
2110	2,4,5-TP(Silvex)	17507	0.01	<0.00002	EPA515	0.00002	8/26/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	17507	250	29.0	EPA215.1	0.1	8/20/91
1017	Chloride	17507		6.95	EPA300.0	0.015	08-15-91
1019	Carbonate CaCO3	17507		87.1	SM314A	0.1	8/20/91
1021	Hydroxide CaCO3	17507	1	0.0	SM406C	0.1	8/20/91
1022	Copper	17507		<0.005	EPA220.1	0.005	8/18/91
1023	Bicarbonate CaCO3	17507		86.3	SM406C	0.1	8/20/91
1026	Bicarbonate HCO3	17507		0.8	SM406C	0.1	8/20/91

1027	Hydrogen Sulfide	17507		EPA376.1	0.5	
1028	Iron	17507	0.3	.106	EPA236.1	0.01 8/19/91
1031	Magnesium	17507		6.40	EPA242.1	0.01 8/20/91
1032	Manganese	17507	0.05	.0480	EPA243.1	0.005 8/19/91
1055	Sulfate	17507	250	4.01	EPA300.0	0.200 8/20/91
1095	Zinc	17507	5	.00500	EPA289.1	0.001 8/18/91
1901	Carbon Dioxide	17507		1.8	SM406C	0.1 8/20/91
1905	Color (color units)	17507	15	<5	EPA110.1	5 8/20/91
1915	Total Hardness	17507		98.8	SM314A	0.1 8/20/91
1917	NCH as CaCO3	17507		11.6	SM314A	0.1 8/20/91
1920	Odor (total odor number)	17507	3	<1	EPA140.1	1 8/28/91
1924	Field pH (units)	17507	6.5-8.5		EPA150.1	0.01 8/26/91
1925	Lab pH (units)	17507	6.5-8.5	7.98	EPA150.1	0.01 8/26/91
1926	Field Conductivity	17507		-		0.1 8/26/91
1927	Total Alkalinity	17507		87.1	EPA310.1	0.1 8/26/91
1930	TDS	17507	500	126	EPA160.1	2.5 8/27/91
1931	Phenolphthalein Alk.	17507			EPA310.1	0.1 8/20/91
1996	Field Temp. (C)	17507		25		1 8/20/91
1997	Langelier Index	17507	-0.2;+0.2	0.10	SM203	0.01 8/20/91
1998	Saturation Index	17507		7.88	SM203	0.01 8/20/91
1999	Stability Index	17507		7.78	SM203	0.01 8/20/91
2909	Foaming Agents	17507	0.5	<0.1	EPA425.1	0.1 8/16/91
9996	Field DO	17507		-		0.1
9997	Field Chlorine	17507		-		0.1

Comments:

FLOWERS



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:

SSU
490 S. Lawrence Blvd.
Keystone Hgts, FL 3265

Date Reported: Aug 29 1991

PO Number: 2100410

PO Number Keystone Hght

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#3

Date Received:

Aug 14 1991

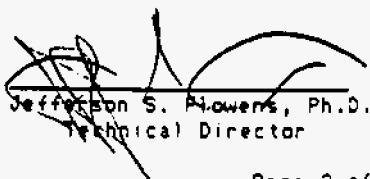
Lab Number : 17508

REPORT OF ANALYSIS

17508					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Turbidity	NTU	0.05	92.5	2.90	0.28
Arsenic	mg/L	0.0005	95.5	7.92	0.00224
Barium	mg/L	0.01	115	.154	<0.01
Cadmium	mg/L	0.001	108	.889	0.004
Chromium	mg/L	0.005	99.8	.570	<0.005
Fluoride	mg/L	0.05	101	.065	0.756
Lead	mg/L	0.001	101	3.59	0.0021
Mercury	mg/L	0.0002	92.4	1.06	<0.0002
Nitrate (as N)	mg/L	0.01	132	11.5	0.207
Selenium	mg/L	0.0005	114	7.65	<0.0005
Silver	mg/L	0.005	97.8	.180	<0.005
Sodium	mg/L	0.002	115	.400	5.4
Endrin	mg/L	0.000001	105	2.95	<0.000001
Lindane	mg/L	0.000001	95.5	1.98	<0.000001
Methoxychlor	mg/L	0.00001	108	5.92	<0.00001
Toxaphene	mg/L	0.0001	102	2.50	<0.0001
2,4-D	mg/L	0.00005	109	3.58	<0.00005
2,4,5-TP (Silvex)	mg/L	0.00002	103	.687	<0.00002
Calcium	mg/L	0.1	117	.904	28.3
Chloride	mg/L	0.015	92.7	.172	10.8
Carbonate CaCO3	mg/L	0.1	117		90.2
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	96.9	.228	<0.005
Bicarbonate CaCO3	mg/L	0.1			89.7
Bicarbonate HCO3	mg/L	0.1			0.5
Hydrogen Sulfide	mg/L	0.5			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 4

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0807

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
490 S. Lawrence Blvd.
Keystone Hgts, FL 3265

Date Reported: Aug 29 1991

PD Number: 2100410

PO Number Keystone Hght

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL#3

Date Received:

Aug 14 1991

Lab Number : 17508

REPORT OF ANALYSIS

					17508
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Iron	mg/L	0.01	90.0	.039	0.142
Magnesium	mg/L	0.01	116	.456	7.15
Manganese	mg/L	0.005	118	1.06	0.033
Sulfate	mg/L	0.2	90.2	2.73	2.32
Zinc	mg/L	0.001	116	.202	0.003
Carbon Dioxide	mg/L	0.1			3.2
Color (color units)	mg/L	5	-	.000	<5
Total Hardness	mg/L	0.1			100.01
NCH _{as} CaCO ₃	mg/L	0.1			9.9
Odor (total odor num	TON	1	-	-	<1
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	98.9	.397	7.75
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	92.1	.182	90.2
TDS	mg/L	2.5	99.8	.872	129
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index	LX	0.01			-0.12
Saturation Index	pHs	0.01			7.87
Stability Index	pH	0.01			8
Foaming Agents	mg/L	0.1	105	-	<0.1
Field DO	mg/L	0.1			-
Field Chlorine	mg/L	0.1			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


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Technical Director

Page 4 of 4

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FAX: (407) 260-4110

0808

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	17508	1	.280	EPA180.1	0.05	8/27/91

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	17508	0.05	.00224	EPA208.3	0.0005	8/19/91
1010	Barium	17508	1	<0.01	EPA208.1	0.01	8/15/91
1015	Cadmium	17508	0.01	.00400	EPA213.1	0.001	8/15/91
1020	Chromium	17508	0.05	<0.005	EPA218.1	0.005	8/15/91
1025	Fluoride	17508	4	.756	EPA340.1	0.05	8/26/91
1030	Lead	17508	0.05	.00210	EPA239.2	0.001	8/15/91
1035	Mercury	17508	0.002	<0.0002	EPA245.1	0.0002	8/27/91
1040	Nitrate(as N)	17508	10	.207	EPA353.1	0.01	08-15-91
1045	Selenium	17508	0.01	<0.0005	EPA270.3	0.0005	8/19/91
1050	Silver	17508	0.05	<0.005	EPA272.1	0.005	8/15/91
1052	Sodium	17508	160	5.40	EPA273.1	0.002	8/15/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	17508	0.0002	<.000001	EPA508	.000001	8/19/91
2010	Lindane	17508	0.004	<.000001	EPA508	.000001	8/19/91
2015	Methoxychlor	17508	0.1	<0.00001	EPA508	0.00001	8/26/91
2020	Toxaphene	17508	0.005	<0.0001	EPA508	0.0001	8/19/91
2105	2,4-D	17508	0.1	<0.00005	EPA515	0.00005	8/26/91
2110	2,4,5-TP(Silvex)	17508	0.01	<0.00002	EPA515	0.00002	8/26/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	17508		28.3	EPA215.1	0.1	8/20/91
1017	Chloride	17508	250	10.8	EPA300.0	0.015	08-15-91
1019	Carbonate CaCO3	17508		90.2	SM314A	0.1	8/20/91
1021	Hydroxide CaCO3	17508		0.0	SM406C	0.1	8/20/91
1022	Copper	17508	1	<0.005	EPA220.1	0.005	8/18/91
1023	Bicarbonate CaCO3	17508		89.7	SM406C	0.1	8/20/91
1026	Bicarbonate HCO3	17508		0.5	SM406C	0.1	8/20/91

1027	Hydrogen Sulfide	17508		EPA378.1	0.5	
1028	Iron	17508	0.3	.142	EPA238.1	0.01 8/19/91
1031	Magnesium	17508		7.15	EPA242.1	0.01 8/20/91
1032	Manganese	17508	0.05	.0330	EPA243.1	0.005 8/19/91
1055	Sulfate	17508	250	2.32	EPA300.0	0.200 8/20/91
1095	Zinc	17508	5	.00300	EPA289.1	0.001 8/18/91
1901	Carbon Dioxide	17508		3.2	SM406C	0.1 8/20/91
1905	Color (color units)	17508	15	<5	EPA110.1	5
1915	Total Hardness	17508		100.1	SM314A	0.1 8/20/91
1917	NCH as CaCO3	17508		9.9	SM314A	0.1 8/20/91
1920	Odor (total odor number)	17508	3	<1	EPA140.1	1 8/28/91
1924	Field pH (units)	17508	6.5-8.5		EPA150.1	0.01
1925	Lab pH (units)	17508	6.5-8.5	7.75	EPA150.1	0.01 8/26/91
1926	Field Conductivity	17508		-		0.1
1927	Total Alkalinity	17508		90.2	EPA310.1	0.1 8/26/91
1930	TDS	17508	500	129	EPA160.1	2.5 8/27/91
1931	Phenolphthalein Alk.	17508			EPA310.1	0.1
1996	Field Temp. (C)	17508		25	-	1 8/20/91
1997	Langelier Index	17508	-0.2:+0.2	-0.12	SM203	0.01 8/20/91
1998	Saturation Index	17508		7.87	SM203	0.01 8/20/91
1999	Stability Index	17508		8.00	SM203	0.01 8/20/91
2909	Foaming Agents	17508	0.5	<0.1	EPA425.1	0.1 8/16/91
9996	Field DO	17508		-		0.1
9997	Field Chlorine	17508		-		0.1

Comments:



ABC Research

p. o. box 1557 • gainesville, florida 32602 • phone 904-372-0436 • telex • 4930 335

Report No. 013112

Subject: KEYSTONE CLUB ESTATES 1/13/88 PO #5228

Received: Thu Jan 14, 1988

Date Mon Feb 29, 1988

DHRS/DER #82135, E62031

BILL CROSS
SOUTHERN STATES UTILITIES INC.
P.O. BOX 705, LAWRENCE BLVD.
KEYSTONE HEIGHTS, FL
32656

RESULTS OF ANALYSIS

88:13112-01 KEYSTONE CLUB ESTATES 1/13/88

Gross Alpha	0.5 +/- 1.1 pCi/l
Radium 226	0.1 +/- 0.1 pCi/l
Radium 228	<0.6 pCi/l

Notes:

Gross Alpha, Radium 226, and Radium 228 were analyzed by PBSJ, Orlando, Fla.
Lab Cert. # 83170/83011

Page #1
Report ends.

Respectfully submitted for A.B.C. Research

By Karen Hatfield

Karen Hatfield
Manager Environmental Chemistry



ABC Research

P. O. Box 1887 • Gainesville, Florida 32602 • phone 904-372-0498 • telex • 4930 325

Report No. 017681
 Subject: SOUTHERN STATES UTILITIES 8/24/88
 Received: Wed Aug 24, 1988

Date Fri Sep 30, 1988

DHRS/DER #82135, E82031

BILL CROSS
 SOUTHERN STATES UTILITIES INC.
 P.O. BOX 705, LAWRENCE BLVD.
 KEYSTONE HEIGHTS, FL
 32656

RESULTS OF ANALYSIS

88:17681-01 ALL WELLS

SOC/VOC Testing

Lindane	See Report
Gross Alpha	<1.0 ppb
Arsenic	0.7 +/- 0.8 ppCi/l
Barium	3.8 ppb
Cadmium (AAS)	<0.10 ppm
Chromium	<0.003 ppm
Lead (AAS)	<0.020 ppm
Mercury	<0.010 ppm
Selenium	0.56 ppb
Silver (AAS)	<2.0 ppb
Sodium	<0.010 ppm
Nitrate nitrogen	4.5 ppm
Fluoride in water	<0.05 mg/l
Turbidity	0.17 ppm
Chloride	0.22 NTU's
Color - water	12 mg/l
Copper (AAS)	5 Color units
Corrosivity	<0.05 ppm
Total alkalinity	-0.33 LSI #
pH	89 CaCO3 mg/l
Dissolved solids	7.8 pH units
Calcium (AAS)	120 mg/l
Surfactants	25 ppm
Iron (AAS)	<0.025 mg/l as MBAS
Manganese (AAS)	0.38 ppm
Odor	<0.010 ppm
Sulfate	20 T.O.N.
Zinc	1.9 mg/l
	<0.05 ppm

88:17681-02 KEYSTONE HEIGHTS, WELL #1

Ethylene dibromide	SR 100 WEST
Turbidity	<0.020 ppb
	0.12 NTU's

**ABC Research**

p. o. box 1557 • gainesville, florida 32602 • phone 804-372-0438 • telex • 4930 238

Report No. 017681

Date Fri Sep 30, 1988

Subject: SOUTHERN STATES UTILITIES 8/24/88

88:17681-03	KEYSTONE HEIGHTS, WELL #2	SR 100 WEST
Ethylene dibromide		<.020 ppb
Turbidity		0.14 NTU's
88:17681-04	KEYSTONE HEIGHTS, WELL #3	SR 100 WEST
Ethylene dibromide		<.020 ppb
Turbidity		0.14 NTU's

Page #2
Report ends.

Respectfully submitted for A.B.C. Research

By Karen HatfieldKaren Hatfield
Manager Environmental Chemistry

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

210110 101201

FOR LAB USE ONLY

I.D. NO. 12001.
RECEIVED JAX

Dec 5 4 09 PM '91

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Keystone Heights SYSTEM I.D. NO: 2100610 RICHARD BERRY SYSTEM PHONE #: 473-4804
ADDRESS: 610 P.O. Box 705 Keystone Heights COUNTY: Clay DISTRICT: II
COLLECTOR: R. Rubin COLLECTOR PHONE #: 473-4804
SAMPLE SITE (Locality or Subdivision): Keystone Heights
DATE AND TIME COLLECTED: 12-5-91 8:00 A.M.
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other (Specify)
(Check Box) (Check Box) (Check Box)
[] Distribution [] TNYC or C [] Turbid []
REMARKS: A 40

TO BE COMPLETED BY COLLECTION OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	ANALYSIS METHOD: <u>MP</u>	HTF	MPD-MJC	PA	
				SAMPLE NUMBER	COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1.	Well #1			061132		A		
2.	Well #2			061133		A		
3.	Well #3			061134		A		
4.	520 Naha St	0.3		061135		A		
5.	111 Magnolia St.	0.2		061136		A		
6.	675 Jasmine St.	0.3		061137		A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNYC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

A. S. U. Lewis
P.O. Box 705
Keystone Heights, Fla.
32656

REVIEWING OFFICIAL:

TITLE:

Form 100, Rev. 91 (Continued)
-When used, this form may not be used
(Stock Number: 07-00-000-0000)

DEC 11 1991
Blanca R. [unclear] ENGINEER
INCHARGE COLLECTION INFORMATION
REPLACEMENT SAMPLES

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

FOR LAB USE ONLY
I.D. NO: 12001
RECEIVED JAX
Dec 5 4 09 PM '91

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Keystone Club Estate SYSTEM I.D. NO: 473-484 SYSTEM PHONE #: 473-484
ADDRESS: Ch. Rd. Box 705 Keystone Hts COUNTY: Franklin DISTRICT: II
COLLECTOR: K. K. Pina COLLECTOR PHONE #: 473-484
SAMPLE SITE (Locality or Subdivision): Keystone Club Estate
DATE AND TIME COLLECTED: 12-5-91 8:30
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other
(Check Box) (Check Box) (Check Box) (Specify)
() Distribution () Turbid ()
REMARKS: Do not take samples from tap with lead service line

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	ANALYSIS METHOD: (RP) RTF		MMO-MUG CONFIRM TOTAL	PA CONFIRM FECAL	
				SAMPLE NUMBER	COLIFORM			
7	Well #1			061138	A			
8	Well #2			061139	A			
9	Opt 10 Thomas Park	0.4		061140	A			
10	134 Force De Leon	0.4		061141	A			
11	108 F. Alton Ave.	0.4		061142	A			
12	28 Air W. W. 2	0.3		061143	A			
13	1 1/2 Hwy. Force De Leon	0.4		061144	A			

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present
A - Coliforms are absent

C - Confluent growth
TNTC - Too numerous to count

TA - Turbid, Absence of gas or acid

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

A. S. U. Lusion
P.O. Box 705
Keystone Heights, Fla.
32656

Blanca R. Rodriguez, Engineer
Dept. of Env. Regulation

() SATISFACTORY
() INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES

REVIEWING OFFICIAL:

TITLE:

MSB Form 804, Jan 81 (Obsolete previous editions which may not be used) (Stock Number 9760-900-0001-1)

DEC 11 1991

Kingswood - 1701

Brevard County (SSU)

Water

- 1992 FPSC Filing -

Kingswood

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	*
Organic	*
Volatile Organic Chemicals	*
	*
	*
	*
Turbidity	*
Microbiological	12/91
Radionuclide	*
Secondary Contaminants	*
Unregulated Contaminants	*

* Water is purchased from Brevard County Utilities for Kingswood.

FLS
 State of Florida
 Department of Health and Rehabilitative Services
 Office of Laboratory Services
 P.O. Box 210
 Jacksonville, Florida 32231

FOR LAB USE ONLY
 DEC 4 2 10 12 '91
 BY D. J. JARVIS
 12/5

**DRINKING WATER
 BACTERIOLOGICAL ANALYSIS**

SYSTEM NAME: Kingswood M.H.P. SYSTEM I.D. NO: 3054101 SYSTEM PHONE #: 927-8319
 ADDRESS: Henry 96th Zephyrus COUNTY: Volusia DER DISTRICT: _____
 COLLECTOR: Mr. J COLLECTOR PHONE #: 927-8319
 SAMPLE SITE (Locality or Subdivision): same
 DATE AND TIME COLLECTED: 12-4-91 @ 9:40 AM
 TYPE OF SUPPLY(Circle one) Community water system Noncommunity water system Nontransient - noncommunity water system
 Private well Swimming pool Bottled water Other public water system
 TYPE OF SAMPLE(Circle one): Compliance Repeat Replacement Main clearance Well survey Other _____
 (Check Box) (Check Box) (Specify)
☒ Distribution ☐ TNTC or C ☐ Turbid
☐ Raw ☐
 REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE					TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	pH		ANALYSIS METHOD: MF	MTF	MMO-MUG	PA	
					SAMPLE NUMBER	NON COLIFORM	4 TOTAL	CONFIRM TOTAL	CONFIRM FECAL
#1	2475 Kingswood	2.8	7.9		021073	40000	A		
#2	2474 Wildwood	2.8	7.9		021074	20000	A		

* Results in this column are preliminary. fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbidity present of gas or acid
 A - Coliforms are absent TNTC - Too numerous to count

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

Southern States
255 Enterprise Rd
Deltona FL 32725

DEC 9 1991

VOL. CO. HEALTH DEPT.

REVIEWING OFFICIAL:

() SATISFACTORY
 () INCOMPLETE COLLECTION INFORMATION
 () REPEAT SAMPLES
 () REPLACEMENT SAMPLES

Environmental Specialist

1043 Form 100, Jan 81 (Obsolete previous editions which may not be used) (Stock Number: 9100-000-1001-4)

Lake Ajay Estates - 773

Osceola County (SSU)

Water

- 1992 FPSC Filing -

Lake Ajay

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	3/91
Organic	3/91
Volatile Organic Chemicals	3/91
	6/91
	9/91
	12/91
Turbidity	3/91
Microbiological	12/91
Radionuclide	4/90
Secondary Contaminants	3/91
Unregulated Contaminants	3/91



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 24, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32807-3767

Re: Drinking Water Compliance Analysis
for Lake Ajay Water System
ID #3491956

Dear Ms. Carrasquillo,

Please find enclosed for your records, Primary Organics, Inorganics, Secondary Contaminants and Turbidity for the Lake Ajay water distribution system.

We have noted that the M.C.L. for Turbidity was exceeded in the initial analysis. Resampling has been scheduled and will be resubmitted on completion.

Your continued cooperation and assistance as always, is greatly appreciated.

Sincerely,

SSU Services

Sam Sparks
Division Supervisor

SS/jlm

cc: Charles Sweat
Mel Fisher
Clara Dozier
Ralph Terrero
File

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Colon Place
Apopka, FL 32703

Date Reported: Apr 9 1991

PO Number: 22372

PO Number Lake Ajay

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 27 1991

Lab Number : 16552

REPORT OF ANALYSIS

					16552
Parameter	Unit	Method	MAQC	MPRO	
		Detection			
		Limit			
Turbidity	NTU	0.05	100	1.000	3.2
Arsenic	mg/L	0.0005	107	2.11	<0.0005
Barium	mg/L	0.01	105	2.11	0.29
Calcium	mg/L	0.001	99.9	1.263	0.006
Chromium	mg/L	0.005	107	1.364	<0.005
Fluoride	mg/L	0.05	104	1.56	0.102
Lead	mg/L	0.001	104	5.91	0.0386
Mercury	mg/L	0.0002	102	4.05	<0.0002
Nitrate as N	mg/L	0.01	91.5	2.45	0.0513
Selenium	mg/L	0.0005	94.6	3.65	<0.0005
Silver	mg/L	0.005	102	1.788	<0.005
Sodium	mg/L	0.002	103	1.516	0.916
Endrin	mg/L	0.000001	99.6	3.41	<0.000001
Lindane	mg/L	0.000001	99.4	2.59	<0.000001
Methoxychlor	mg/L	0.00001	104	5.15	<0.00001
Toxaphene	mg/L	0.0001	106	1.95	<0.0001
2,4-D	mg/L	0.00005	113	5.59	<0.00005
2,4,5-TP Silver	mg/L	0.00002	111	2.87	<0.00002
Calcium	mg/L	0.1	106	1.362	131
Chloride	mg/L	0.015	101	3.47	89.7
Carbonate CaCO3	mg/L	0.1			169.01
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	105	1.413	0.008
Bicarbonate CaCO3	mg/L	0.1			167.9
Carbonate Alkalinity	mg/L	0.1			1.2
Hydrogen Sulfide	mg/L	0.5			-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FDL QA and EPA approved methodology.

Jefferson E. Flowers, Ph.D.
Technical Director

Jefferson E. Flowers, Ph.D.
Jefferson E. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 250-6110

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apodaka, FL 32703

Date Reported: Apr 9 1991

PO Number: 22372

PO Number Lake Ajay

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar27 1991

Lab Number : 16552

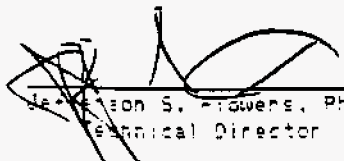
REPORT OF ANALYSIS

16552				
Parameter	Unit	Method	%ACC	%PRC
		Detection		
		Limit		
Iron	mg/L	0.01	101	.433
Magnesium	mg/L	0.01	108	.722
Manganese	mg/L	0.005	103	.728
Sulfate	mg/L	0.2	91.5	2.1
Zinc	mg/L	0.001	102	1.05
Carbon_Dioxide	mg/L	0.1		
Color	mg/L	5	-	.000
Total_Hardness	mg/L	0.1		
NCH_as_CaCO3	mg/L	0.1		
Ocon(TON)	TON	1	-	-
Field_pH	pH	0.01		
Lab_pH	pH	0.01	100	.316
Field Conductivity	umhos/cm	0.01		
Total Alkalinity	mg/L	0.1	99.4	.667
TDS	mg/L	2.5	95.3	3.77
Phenolphthalein Alk.	mg/L	0.1		
Field Temp. (C)	oC	1		
Langelier Index	LX	0.01		
Saturation Index	oHs	0.01		
Stability Index	pH	0.01		
Foaming Agents	mg/L	0.1	99.7	1.02
Field DO	mg/L	0.1		
Field Chlorine	mg/L	0.1		

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.

Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 230-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3491956
Public Water System Name: Lake Mary Oscoda Co.
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☒; Inorganic ☒; Trihalomethane ☐
Volatile Organic ☐; Organic Chemical ☒; Secondary Chemical ☒; Radiological ☐
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 16552
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 4/1/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/9/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	16552	1	3.30	EPA180.1	0.05	4/2/91

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	16552	0.05	<0.0005	EPA206.3	0.0005	4/5/91
1010	Barium	16552	1	.290	EPA208.1	0.01	4/5/91
1015	Cadmium	16552	0.01	.00600	EPA213.1	0.001	4/4/91
1020	Chromium	16552	0.05	<0.005	EPA218.1	0.005	4/4/91
1025	Fluoride	16552	4	.102	EPA340.1	0.05	3/28/91
1030	Lead	16552	0.05	.0386	EPA239.2	0.001	4/4/91
1035	Mercury	16552	0.002	<0.0002	EPA245.1	0.0002	4/2/91
1040	Nitrate(as N)	16552	10	.0513	EPA353.1	0.01	04-03-91
1045	Selenium	16552	0.01	<0.0005	EPA270.3	0.0005	4/5/91
1050	Silver	16552	0.05	<0.005	EPA272.1	0.005	4/1/91
1052	Sodium	16552	160	.918	EPA273.1	0.002	3/28/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	16552	0.0002	<.000001	EPA508	.000001	4/1/91
2010	Lindane	16552	0.004	<.000001	EPA508	.000001	4/1/91
2015	Methoxychlor	16552	0.1	<0.00001	EPA508	0.00001	4/3/91
2020	Toxaphene	16552	0.005	<0.0001	EPA508	0.0001	4/1/91
2105	2,4-D	16552	0.1	<0.00005	EPA515	0.00005	4/3/91
2110	2,4,5-TP(Silvex)	16552	0.01	<0.00002	EPA515	0.00002	4/3/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	16552	250	131	EPA215.1	0.1	4/4/91
1017	Chloride	16552		89.7	EPA300.0	0.015	04-01-91
1019	Carbonate CaCO3	16552		169.1	SM314A	0.1	4/4/91
1021	Hydroxide CaCO3	16552	1	0.0	SM406C	0.1	4/4/91
1022	Copper	16552		.00800	EPA220.1	0.005	4/3/91
1023	Bicarbonate CaCO3	16552		167.9	SM406C	0.1	4/4/91
1026	Carbonate Alkalinity	16552		1.2	SM406C	0.1	4/4/91

1027	Hydrogen Sulfide	16552			EPA376.1	0.5	
1028	Iron	16552	0.3	.141	EPA236.1	0.01	4/2/91
1031	Magnesium	16552		20.4	EPA242.1	0.01	4/4/91
1032	Manganese	16552	0.05	.0450	EPA243.1	0.005	3/29/91
1055	Sulfate	16552	250	163.5	EPA300.0	0.200	4/8/91
1095	Zinc	16552	5	.0240	EPA289.1	0.001	4/3/91
1901	Carbon Dioxide	16552		4.5	SM406C	0.1	4/4/91
1905	Color	16552	15	15.0	EPA110.1	5	4/1/91
1915	Total Hardness	16552		411.0	SM314A	0.1	4/4/91
1917	NCH as CaCO3	16552		241.9	SM314A	0.1	4/4/91
1920	Odor(TON)	16552	3	<1	EPA140.1	1	4/1/91
1924	Field pH	16552	6.5-8.5	7.4	EPA150.1	0.01	
1925	Lab pH	16552	6.5-8.5	7.88	EPA150.1	0.01	4/1/91
1926	Field Conductivity	16552		2.1	-	0.01	
1927	Total Alkalinity	16552		169	EPA310.1	0.1	3/29/91
1930	TDS	16552	500	613	EPA160.1	2.5	4/1/91
1931	Phenolphthalein Alk.	16552			EPA310.1	0.1	
1996	Field Temp. (C)	16552		26.1	-		1 4/4/91
1997	Langelier Index	16552	-0.2:+0.2	0.72	SM203	0.01	4/4/91
1998	Saturation Index	16552		7.16	SM203	0.01	4/4/91
1999	Stability Index	16552		6.44	SM203	0.01	4/4/91
2909	Foaming Agents	16552	0.5	<0.1	EPA425.1	0.1	4/1/91
9996	Field DO	16552		4.0	-	0.1	
9997	Field Chlorine	16552		-	-	0.1	

Comments:

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client SSU
Address 1000 CWOB PLACE
Apopka, FL 32703
Phone 880-0100

FCL Client No. S033
FCL Project Manager LAURIE SEBEK
FCL Lab Coordinator Steve Welsh
Requested Due Date: _____

P.O. Number 22373
Project Name / No. LAKE AJAY #34919
Contact SAM SPARKS PLANT #77

Sampled By (PRINT) Bill Trendel
William Trendel 3/27/91
Sampler Signature Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST		
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl			
1				16552								
2												
3												
4												
5												
6												

Prim. Trace
Prim. Org.
Sec.
Th

\$475.00

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
				<u>Stephen Nicholas</u>	<u>3/21</u>		<u>[Signature]</u>	<u>3/27</u>	<u>3:10</u>
SPECIAL INSTRUCTIONS <u>PH 7.4</u> <u>DO 4.0</u> <u>CONDUCT. 2.1</u> <u>TEMP. 79°F</u>									

SHIP WITH SAMPLES TO BE RETURNED WITH RESULTS

0827



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

May 24, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Drinking Water Analysis Re-sample
for Lake Ajay Water System
ID #3491956

Dear Ms. Carrasquillo,

Please find enclosed for your records, re-sample analysis for Turbidity for the Lake Ajay water distribution system.

Your continued cooperation and assistance as always, is greatly appreciated.

Sincerely,

SSU Services,

Sam Sparks
Division Supervisor

SS/jlm

cc: Charles Sweat
Mel Fisher
Clara Dozier

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: May15 1991

PO Number: 22691

PO Number LK.Ajay

FDHRS Lab# : 89139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

Font: 18

Date Received:

May 9 1991

Lab Num: 16869-16871

REPORT OF ANALYSIS

	Turbidity
	NTU
Accuracy:	25.0
Precision:	1.000
Det. Limit:	0.05
Client ID:	
Lab Number:	

1	16869	0.26
2	16870	0.22
3	16871	0.78

Date Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Michael Harrison
Laboratory Manager

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 280-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3491956

Public Water System Name Lake City

Public Water System Type (check one):

☒ Community

☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity X Inorganic X Trihalomethane ;

Volatile Organic Organic Chemical Secondary Chemical Radiological ;

Unregulated Organic Purgeable Unregulated Organic Pesticide ;

Unregulated Base Neutral Extractable Unregulated Acid Extractable ;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 16869

Sample Location (be specific):

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction

Laboratory Dr. J.S. Flowers

Resample Requested? (check one): ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity Inorganic Trihalomethane ;

Volatile Organic Organic Chemical Secondary Chemical Radiological ;

Unregulated Organic Purgeable Unregulated Organic Pesticide ;

Unregulated Base Neutral Extractable Unregulated Acid Extractable ;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: [Signature]

Name Andrew B. Harrison

Mail Results to the
Appropriate DER or ACPHU Office:

Title Laboratory Manager

Laboratory Flowers Chemical Laboratories, Inc.

Date 5/16/91

DER /ACPHU Reviewing Official:

PWSA.C1 Sample Interpretation (check one):

Effective 0 ☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	16869	1	.260	EPA180.1	0.05	5/15/91

Comments:

INTENTIONALLY LEFT BLANK

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	16870	1	.220	EPA180.1	0.05	5/15/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3491 956

Public Water System Name Lake Park

Public Water System Type (check one):

☒ Community

☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☒; Inorganic ☒; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 16871

Sample Location (be specific):

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction / /

Laboratory Dr. J.S. Flowers

Resample Requested? (check one): ☐ Yes ☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: [Signature]

Name Andrew B. Harrison

Title Laboratory Manager

Laboratory Flowers Chemical Laboratories, Inc.

Date 5/16/91

DER/ACPHU Reviewing Officer:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):

Effective 0 ☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	16871	1	.760	EPA180.1	0.05	5/15/91

Comments:

FDNR	Label	82010
FDNRB	Label	82130
HCDEFNR	Label	390
HCDEFEC	Label	80010

**ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-850**

[illegible]

2. SAMPLE INFORMATION; SAMPLE DATE: MONTH _____ DATE _____ YEAR _____
 SAMPLE TYPE (check all applicable); - () check, () regular distribution
 () composite, () clearance, () max residence time, (✓) plant tap,
 () raw, () well, (✓) resample _____, () special _____
 SAMPLER'S NAME: _____ TITLE: _____ PHONE: _____
 SAMPLER'S SIGNATURE: _____
 NOTES: _____

* Sample #3 Turbidity will be brought in to lab 5/10

1) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trichloromethane; Volatile Organic;
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgable;
Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable

(14) Laboratory Number 16869 16870 16871		(15) Client Sample Identification #1 5/19/91 1:00 #2 5/20/91 2:00 #3 * #4 #5 #6 #7 #8 #9 #10	
(16) Collector's Signature: <u>William S. ...</u>		Date: <u>5/19/91</u>	Time: <u>1:50</u>
(17) Transporter's Signature: <u>William S. ...</u>		Date: <u>5/19/91</u>	Time: <u>1:50</u>
(18) Lab Acceptance (If):			

SEEK FOR INSTRUCTIONS FOR COMPLETION



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 24, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32807-3767

Re: Drinking Water Compliance Analysis
for Lake Ajay Water System
ID #3491956

Dear Ms. Carrasquillo,

Please find enclosed for your records, Volatile Organics and Unregulated Contaminant analysis for the Lake Ajay water treatment plant, well #1.

These results are combined analysis with three (3) other Osceola County wells as listed in the analysis report.

Your continued cooperation and assistance as always, is greatly appreciated.

Sincerely,

SSU Services

Sam Sparks
Division Supervisor

SS/jlm

cc: Charles Sweat
Mel Fisher
Clara Dozier
Ralph Terrero
Osceola County
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Mar 26 1991

PO Number: 391046

PO Number

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: Tropical PK. Bay Lk. Wk. A Jay

Date Received: Mar 4 1991

Lab Number : 16409

REPORT OF ANALYSIS

Parameter	Unit	Method	MAAD	%PREC	16409
		Detection			
		Limit			
Styrene dibromide	mg/L	0.000005	115	2.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	118	2.66	<0.001
Univ. chloride	mg/L	0.001	107	2.58	<0.001
1,1-dichloroethene	mg/L	0.001	107	2.58	<0.001
1,1,2-dichloroethane	mg/L	0.001	113	9.99	<0.001
1,1,1-trichloroethane	mg/L	0.001	104	2.74	<0.001
Carbon tetrachloride	mg/L	0.001	104	2.13	<0.001
Trichloroethene	mg/L	0.001	113	1.093	<0.001
Tetrachloroethene	mg/L	0.001	113	1.551	<0.001
Benzene	mg/L	0.001	99.2	1.118	<0.001
Chloromethane	mg/L	0.001	109	1.669	<0.001
1,1-dichloroethane	mg/L	0.001	104	2.13	<0.001
Bromomethane	mg/L	0.001	109	1.669	<0.001
Chloroethane	mg/L	0.001	107	2.58	<0.001
1,1,1-trichloroethane	mg/L	0.001	104	2.13	<0.001
trans-1,2-dichloroethane	mg/L	0.001	115	3.22	<0.001
cis-1,2-dichloroethane	mg/L	0.001	113	11.0	<0.001
Methylchloroethane	mg/L	0.001	106	1.005	<0.001
trans-1,2-dichloroethane	mg/L	0.001	112	11.0	<0.001
Bromomethane	mg/L	0.001	109	1.669	<0.001
1,1-dichloroethene	mg/L	0.001	109	4.17	<0.001
1,1,2-dichloroethane	mg/L	0.001	115	3.22	<0.001
1,1,2,2-tetrachloroethane	mg/L	0.001	111	1.848	<0.001
1,1-dichloroethane	mg/L	0.001	107	1.58	<0.001
1,1,2-trichloroethane	mg/L	0.001	111	1.868	<0.001
Chloroform	mg/L	0.001	100	1.04	<0.001

Data Release Authorization

Sample integrity and reliability determined by Lab personnel prior to analysis.
Methods of analysis in accordance with RCRA and EPA approved methodology.

[Handwritten signature]

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 336-5884
FAX 407 330-4110



Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Mar 26 1991

PO Number: 891046

PO Number

FDHRS Lab# : 93139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHED Lab# : 96019

For: Tropical Pk./Bay Lk./Lk.Ajay

Date Received:

Mar 4 1991

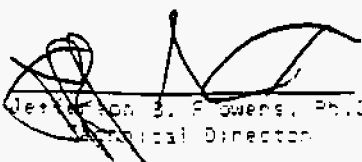
Lab Number : 16409

REPORT OF ANALYSIS

16409					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Bromoform	mg/L	0.001	117	7.51	<0.001
Bromodichloromethane	mg/L	0.001	120	1.984	<0.001
Dibromochloromethane	mg/L	0.001	115	1.16	<0.001
o-xylene	mg/L	0.001	104	3.33	<0.001
Methylen chloride	mg/L	0.001	109	1.669	<0.001
o-chlorotoluene	mg/L	0.001	110	5.28	<0.001
p-chlorotoluene	mg/L	0.001	98.1	2.92	<0.001
m-dichlorobenzene	mg/L	0.001	119	2.77	<0.001
o-dichlorobenzene	mg/L	0.001	109	4.27	<0.001
1,1-dichloroethane	mg/L	0.001	103	1.89	<0.001
trans-1,2-dichloroet	mg/L	0.001	109	2.97	<0.001
1,2-dichloropropane	mg/L	0.001	109	1.352	<0.001
1,1,2-trichloroethan	mg/L	0.001	113	11.6	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	114	2.52	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	116	10.3	<0.001
Chlorobenzene	mg/L	0.001	105	1.53	<0.001
Toluene	mg/L	0.001	98.1	2.92	<0.001
Ethylbenzene	mg/L	0.001	98.4	1.833	<0.001
Bromobenzene	mg/L	0.001	105	1.53	<0.001
m-xylene	mg/L	0.001	104	2.33	<0.001
Styrene	mg/L	0.001	98.1	2.92	<0.001
o-xylene	mg/L	0.001	104	3.33	<0.001
Dalapon	mg/L	0.000001	94.9	1.97	<0.000001
Oxamyl (Oxydate)	mg/L	0.002	101	16.8	<0.002
Simazine	mg/L	0.007	99.7	1.44	<0.007
Picloram	mg/L	0.00007	103	3.97	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson L. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-6597
BUS 407 239-5984
FAX 407 239-6110

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Mar 26 1991

PO Number: B91046

PO Number

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: Tropical Pk./Bay Lk./Lk. Ajay

Date Received:

Mar 4 1991

Lab Number : 16409

REPORT OF ANALYSIS

16409					
Parameter	Unit	Method	%ACC	%PROC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	118	12.0	<0.00001
Aldicarb sulfonide	mg/L	0.002	83.9	1.000	<0.002
Aldicarb sulfone	mg/L	0.002	100	15.1	<0.002
Metolachlor	mg/L	0.0005	104	3.42	<0.0005
Carbofuran	mg/L	0.001	100	5.84	<0.001
Aldicarb	mg/L	0.002	92.0	5.71	<0.002
Atrazine	mg/L	0.002	101	1.01	<0.002
Alachlor (Lasso)	mg/L	0.0002	99.5	3.55	<0.0002
Heptachlor	mg/L	0.000005	99.3	2.71	<0.000005
Aldrin	mg/L	0.00007	110	1.02	<0.00007
Dieldrin	mg/L	0.00001	91.5	1.73	<0.00001
Dicamba	mg/L	0.00001	101	5.24	<0.00001
Chlorodane	mg/L	0.00001	100	3.39	<0.00001
Pentachlorobenzene	mg/L	0.005	104	2.39	<0.005
Heptachlorocyclopenta	mg/L	0.001	104	7.52	<0.001
Stoxin	mg/L	0.00001	97.9	3.61	<0.00001
Isopropene	mg/L	0.001	99.8	19.0	<0.001
2,4-dinitrophenol	mg/L	0.001	99.3	1.85	<0.001
Dimethylphthalate	mg/L	0.001	97.2	1.582	<0.001
Diethylphthalate	mg/L	0.001	97.4	11.9	<0.001
Di-n-butylphthalate	mg/L	0.001	101	0.9	<0.001
Butyl benzyl phthalate	mg/L	0.001	95.4	3.01	<0.001
Bis(2-ethylhexyl)phth	mg/L	0.001	101	4.32	<0.001
1,2,3-trichlorobenzene	mg/L	0.001	97.4	12.1	<0.001
PCB_1016	mg/L	0.0001	97.7	2.75	<0.0001
PCB_1021	mg/L	0.0001	99.0	2.00	<0.0001

Data Release Authorization

Sample integrity and reliability certified by LSP personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

[Signature]
For B. Flowers, Ph.D.
Lab Director

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
451 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 339-6110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Colon Place
Apopka, FL 32703

Date Reported: Mar 26 1991

PO Number: B91046

PO Number
FDHRS Lab# : 93139
EDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Tropical Pk./Bay Lk./Lk.Ajay

Date Received:

Mar 4 1991

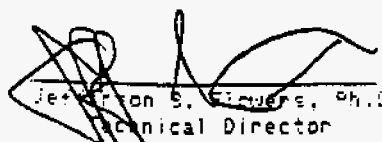
Lab Number : 16409

REPORT OF ANALYSIS

					16409
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
PCB_1232	mg/L	0.0001	102	2.36	<0.0001
PCB_1242	mg/L	0.0001	102	2.08	<0.0001
PCB_1248	mg/L	0.0001	98.4	2.01	<0.0001
PCB_1254	mg/L	0.0001	96.6	1.76	<0.0001
PCB_1260	mg/L	0.0001	101	1.55	<0.0001
Diethylphthalate	mg/L	0.001	98.7	1.95	<0.001
2-chlorophenol	mg/L	0.001	94.0	6.62	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	99	8.69	<0.001
Phenol	mg/L	0.001	105	4.60	<0.001
2,4,6-trichloropheno	mg/L	0.001	91.8	7.70	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ADAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 339-6110

0841

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3491956
Public Water System Name: Lakeview *Oswego Co*
Public Water System Type (check one):
☐ () Communi ☐ () Non-community ☐ () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral-Extractable ☒; Unregulated Acid Extractable ☒;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 16409
Sample Location (be specific):
Sample Type (check all applicable):
☐ () Check ☐ () Regular Distribution ☐ () Composit
☐ () Clearance ☐ () Maximum Residence Time ☐ () Plant Tap
☐ () Raw ☐ () Well ☐ () Resample
☐ () Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date 3/17/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (che ☐ () Yes ☒ (X) No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral-Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 3/26/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ () Satisfactory ☐ () Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16409	.00002	<.000005	EPA504.1	.000005	3/22/91
2969	Para-dichlorobenzene	16409	.075	<0.001	EPA502.2	0.001	3/17/91
2976	Vinyl chloride	16409	0.001	<0.001	EPA502.2	0.001	3/17/91
2977	1,1-dichloroethene	16409	0.007	<0.001	EPA502.2	0.001	3/17/91
2980	1,2-dichloroethane	16409	0.003	<0.001	EPA502.2	0.001	3/17/91
2981	1,1,1-trichloroethane	16409	0.2	<0.001	EPA502.2	0.001	3/17/91
2982	Carbon tetrachloride	16409	0.003	<0.001	EPA502.2	0.001	3/17/91
2984	Trichloroethene	16409	0.003	<0.001	EPA502.2	0.001	3/17/91
2987	Tetrachloroethene	16409	0.003	<0.001	EPA502.2	0.001	3/17/91
2990	Benzene	16409	0.001	<0.001	EPA502.2	0.001	3/17/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16409		<0.001	EPA502.2	0.001	3/17/91
2212	Dichlorodifluoromethane	16409		<0.001	EPA502.2	0.001	3/17/91
2214	Bromomethane	16409		<0.001	EPA502.2	0.001	3/17/91
2216	Chloroethane	16409		<0.001	EPA502.2	0.001	3/17/91
2218	Trichlorofluoromethane	16409		<0.001	EPA502.2	0.001	3/17/91
2224	trans-1,3,-dichloropropene	16409		<0.001	EPA502.2	0.001	3/17/91
2228	cis-1,3-dichloropropene	16409		<0.001	EPA502.2	0.001	3/17/91
2251	Methyl-tert-butylether	16409		<0.001	EPA502.2	0.001	3/17/91
2380	cis-1,2-dichloroethene	16409		<0.001	EPA502.2	0.001	3/17/91
2408	Dibromomethane	16409		<0.001	EPA502.2	0.001	3/17/91
2410	1,1-dichloropropene	16409		<0.001	EPA502.2	0.001	3/17/91
2412	1,3-dichloropropane	16409		<0.001	EPA502.2	0.001	3/17/91
2414	1,2,3-trichloropropane	16409		<0.001	EPA502.2	0.001	3/17/91
2416	2,2-dichloropropane	16409		<0.001	EPA502.2	0.001	3/17/91
2931	1,2-dibromo-3-chloropropane	16409		<0.001	EPA502.2	0.001	3/17/91
2941	Chloroform	16409		<0.001	EPA502.2	0.001	3/17/91
2942	Bromoform	16409		<0.001	EPA502.2	0.001	3/17/91
2943	Bromodichloromethane	16409		<0.001	EPA502.2	0.001	3/17/91
2944	Dibromochloromethane	16409		<0.001	EPA502.2	0.001	3/17/91
2962	p-xylene	16409		<0.001	EPA502.2	0.001	3/17/91
2964	Methylene chloride	16409		<0.001	EPA502.2	0.001	3/17/91
2965	o-chlorotoluene	16409		<0.001	EPA502.2	0.001	3/17/91
2966	p-chlorotoluene	16409		<0.001	EPA502.2	0.001	3/17/91
2967	m-dichlorobenzene	16409		<0.001	EPA502.2	0.001	3/17/91
2968	o-dichlorobenzene	16409		<0.001	EPA502.2	0.001	3/17/91
2978	1,1-dichloroethane	16409		<0.001	EPA502.2	0.001	3/17/91
2979	trans-1,2-dichloroethyl	16409		<0.001	EPA502.2	0.001	3/17/91
2983	1,2-dichloropropane	16409		<0.001	EPA502.2	0.001	3/17/91

2985	1,1,2-trichloroethane	16409
2986	1,1,1,2-tetrachloroethane	16409
2988	1,1,2,2-tetrachloroethane	16409
2989	Chlorobenzene	16409
2991	Toluene	16409
2992	Ethylbenzene	16409
2993	Bromobenzene	16409
2995	m-xylene	16409
2996	Styrene	16409
2997	o-xylene	16409

Comments:

<0.001	EPA502.2	0.001	3/17/91
<0.001	EPA502.2	0.001	3/17/91
<0.001	EPA502.2	0.001	3/17/91
<0.001	EPA502.2	0.001	3/17/91
<0.001	EPA502.2	0.001	3/17/91
<0.001	EPA502.2	0.001	3/17/91
<0.001	EPA502.2	0.001	3/17/91
<0.001	EPA502.2	0.001	3/17/91
<0.001	EPA502.2	0.001	3/17/91
<0.001	EPA502.2	0.001	3/17/91

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16409		<0.000001	EPA515	0.000001	3/18/91
2036	Oxamyl (Vydate)	16409		<0.002	EPA531	0.002	3/14/91
2037	Simazine	16409		<0.007	EPA505	0.007	3/18/91
2040	Picloram	16409		<0.00007	EPA515	0.00007	3/18/91
2041	Dinoseb	16409		<0.00001	EPA515	0.00001	3/18/91
2043	Aldicarb sulfoxide	16409		<0.002	EPA531	0.002	3/14/91
2044	Aldicarb sulfone	16409		<0.002	EPA531	0.002	3/14/91
2045	Metolachlor	16409		<0.0005	EPA505	0.0005	3/18/91
2046	Carbofuran	16409		<0.001	EPA531	0.001	3/14/91
2047	Aldicarb	16409		<0.002	EPA531	0.002	3/14/91
2050	Atrazine	16409		<0.002	EPA505	0.002	3/18/91
2051	Alachlor (Lasso)	16409		<0.0002	EPA505	0.0002	3/18/91
2065	Heptachlor	16409		<0.000005	EPA508	0.000005	3/15/91
2356	Aldrin	16409		<0.00007	EPA508	0.00007	3/15/91
2364	Dieldrin	16409		<0.00001	EPA508	0.00001	3/15/91
2440	Dicamba	16409		<0.00001	EPA515	0.00001	3/15/91
2959	Chlordane	16409		<0.00001	EPA508	0.00001	3/15/91
9114	Pentachlorophenol	16409		<0.005	EPA515	0.005	3/15/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS038)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16409		<0.001	EPA508	0.001	3/15/91
2063	Dioxin	16409		<0.00001	EPA613	0.00001	3/15/91
2262	Isophorone	16409		<0.001	EPA609	0.001	3/22/91
2270	2,4-dinitrotoluene	16409		<0.001	EPA609	0.001	3/22/91
2282	Dimethylphthalate	16409		<0.001	EPA606	0.001	3/22/91
2284	Diethylphthalate	16409		<0.001	EPA606	0.001	3/22/91
2290	Di-n-butylphthalate	16409		<0.001	EPA606	0.001	3/22/91
2294	Butyl benzyl phthalate	16409		<0.001	EPA606	0.001	3/22/91

2298	Bis(2-ethylhexyl)phthal	16409	<0.001	EPA806	0.001	3/22/91
2378	1,2,4-trichlorobenzene	16409	<0.001	EPA812	0.001	3/22/91
2388	PCB-1016	16409	<0.0001	EPA505	0.0001	3/15/91
2390	PCB-1221	16409	<0.0001	EPA505	0.0001	3/15/91
2392	PCB-1232	16409	<0.0001	EPA505	0.0001	3/15/91
2394	PCB-1242	16409	<0.0001	EPA505	0.0001	3/15/91
2396	PCB-1248	16409	<0.0001	EPA505	0.0001	3/15/91
2398	PCB-1254	16409	<0.0001	EPA505	0.0001	3/15/91
2400	PCB-1260	16409	<0.0001	EPA505	0.0001	3/15/91
9089	Diethylphthalate	16409	<0.001	EPA606	0.001	3/22/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16409		<0.001	EPA604	0.001	3/22/91
9112	2-methyl-4,6-dinitrophenol	16409		<0.001	EPA604	0.001	3/22/91
9115	Phenol	16409		<0.001	EPA604	0.001	3/22/91
9116	2,4,6-trichlorophenol	16409		<0.001	EPA604	0.001	3/22/91

Comments:

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATEDANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

Sam Sparks

CLIENT: SSU ADDRESS: 1000 Colan Place PHONE: 880-0058 x16
Apopka, FL 32703

PROJECT NAME: B91046 REQUIRED: ☐ Urgent ☐ Routine DATE: _____

Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES:
	HNO ₃	H ₂ SO ₄	HCl	Na ₂ SO ₃	Zn(C ₂ H ₃ O ₂)/NaOH	NaOH/Ascorbic Acid	60ml	125ml	250ml	500ml	1L	2L	Whit Pak Bag	40ml Vial	250ml	500ml	1L	2L	
QTY																			
8														X					
1																		X	

Kit Relinquished: _____ Date: _____ Time: _____
 Kit Received: _____ Date: _____ Time: _____

Parameters: Proc Unreg.

Laboratory Number	Client Identification/Description
# 781	Tropical Park
# 784 16409	
# 773	
	Bay Lake
	Ark ity

Sample Collection:	<u>Bill Tundel</u>	Date:	<u>3/3/91</u>	Time:	<u>10:30</u>
Transportation:	<u>Bill Tundel</u>	Date:	<u>3/4/91</u>		
Lab Acceptance:	<u>[Signature]</u>	Date:	<u>3/4/91</u>		<u>1:40</u>

Page _____ of _____

Jefferson L. Rowers, Ph.D.
Jefferson S. Rowers, Ph.D.481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 339-5984

0846



June 28, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32807-3767

Re: Drinking Water Compliance Analysis
Lake Ajay Water System
ID #3491956

Dear Ms. Carrasquillo,

Please find enclosed for your records, second quarter Volatile Organic analysis for the Lake Ajay treatment plant, well #1.

These results are combined analysis with three (3) other Osceola County wells as listed in the analysis report.

Your continued cooperation and assistance as always, is greatly appreciated.

Sincerely,

SSU Services

Sam Sparks
Division Supervisor

SS/jlm

cc: Charles Sweat
Mel Fisher
Clara Dozier
Osceola County
File

General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Jun11 1991

PO Number: B91045

PO Number SSU

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHED Lab# : 96019

For: WATER SAMPLE

Date Received:

Jun 6 1991

Lab Number : 17111

REPORT OF ANALYSIS

Parameter	Unit	Method	17111		
			MACC	KPRO	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	95.4	9.91	10.000005
Para-dichlorobenzene	mg/L	0.001	104	1.987	<0.001
Vinyl chloride	mg/L	0.001	112	7.56	<0.001
1,1-dichloroethene	mg/L	0.001	112	7.56	<0.001
1,2-dichloroethane	mg/L	0.001	107	1.89	<0.001
1,1,1-trichloroethane	mg/L	0.001	119	1.81	<0.001
Carbon tetrachloride	mg/L	0.001	110	1.06	<0.001
Trichloroethene	mg/L	0.001	111	1.709	<0.001
Tetrachloroethene	mg/L	0.001	107	1.740	<0.001
Benzene	mg/L	0.001	105	1.268	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with EPA QA and EPA approved methodology.


Andrew Harrison
Laboratory Manager

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 250-6110

0848

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17111	.00002	<.000005	EPA504.1	.000005	6/7/91
2969	Para-dichlorobenzene	17111	.075	<0.001	EPA502.2	0.001	6/7/91
2976	Vinyl chloride	17111	0.001	<0.001	EPA502.2	0.001	6/7/91
2977	1,1-dichloroethene	17111	0.007	<0.001	EPA502.2	0.001	6/7/91
2980	1,2-dichloroethane	17111	0.003	<0.001	EPA502.2	0.001	6/7/91
2981	1,1,1-trichloroethane	17111	0.2	<0.001	EPA502.2	0.001	6/7/91
2982	Carbon tetrachloride	17111	0.003	<0.001	EPA502.2	0.001	6/7/91
2984	Trichloroethene	17111	0.003	<0.001	EPA502.2	0.001	6/7/91
2987	Tetrachloroethene	17111	0.003	<0.001	EPA502.2	0.001	6/7/91
2990	Benzene	17111	0.001	<0.001	EPA502.2	0.001	6/7/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3491956

Public Water System Name: Loke Aja

Public Water System Type (check one):

☐ Communi ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 17111

Sample Location (be specific): _____

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Composit

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: _____

Laboratory Cont Dr. J.S. Flowers

Resample Requested? (che ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: Andrew B. Harrison

Name: Andrew B. Harrison

Mail Results to the
Appropriate DER or ACPHU Office:

Title: Laboratory Manager

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 6/10/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

FORM Lab 100018
FORM Lab 10129
NCEISM Lab 100
BCDEEC Lab 00010

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
UNIONBIO WATER 17-550

Att: Sam Sparks

(1) Client SSU		(2) Address 1000 Coleridge Ave, Apt 17-550		(3) Phone 800-0058	
(4) Public Drinking Water ID #		(5) Public Water System Name:			
(6) Project # B91045		(7) Public Water System Type			
(8) POB		(9) Community () Non-Community () Special Non-Community			

Preservative	Plastic Containers						Glass Containers						NOTES:
	100ml	125ml	250ml	500ml	1L	1.5L	2L	4L	5L	10L	20L		
100ml													Turn Around Time: 10 Working Days: 8 Working Days: 3 Working Days: 1 Working Day: Other:
200ml													
300ml													
400ml													
500ml													Tropical Park #1 1 well Tropical Park #2 1 well Bay Lake Estates 1 well Lake Arrow 1 well 4 wells PLZ COMP
600ml													
700ml													
800ml													
900ml													
1000ml													

(10) Relinquished:	(11) Date	(12) Received	(13) Date
(14) Time	(15) Time	(16) Time	(17) Time

1) SAMPLE INFORMATION; SAMPLE DATE: MONTH _____ DATE _____ YEAR _____
 SAMPLE TYPE (check all applicable): () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 () raw, () well, () resample, () special
 SAMPLER'S NAME: _____ TITLE: _____ PHONE: _____
 SAMPLER'S SIGNATURE: _____
 NOTES:

(No AIR BUBBLES) Keep COLD

Parameter Group(s) Analyzed: Turbidity; Inorganic; Volatile Organic; Volatile Organic;
 Inorganic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide;
 Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable

1) Laboratory Number

2) 510Rem Sample Identification

1	Bay Lake 4/3 7:45
2	Bay Lake 4/4 4:00
3	Bay Lake 4/5 11:30
4	LK Arrow 4/3 9:00
5	LK Arrow 4/4 3:00
6	LK Arrow 4/5 1:30
7	Trop. Park #1
8	Trop. Park #2
9	
10	

3) Collectors Signature:

4) Transporters Signature:

5) Lab Acceptance By:

William J. Ford
 William J. Ford
 William J. Ford

Date

Time

4/2-9-91

4/6

10-1-91

10:10 AM



October 3, 1991

General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Drinking Water Compliance Analysis
Lake Ajay Water System
PWS ID #3491956

Dear Ms. Carrasquillo,

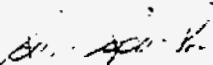
Please find enclosed for your records, third quarter Volatile Organic analysis for the Lake Ajay treatment plant, well #1.

These results are combined analysis with three (3) other Osceola County wells as listed in the analysis report.

Your continued cooperation and assistance as always, is appreciated.

Sincerely,

SSU Services


Sam Sparks
Area Supervisor

SS/jlm

cc: Charles Sweat
Frank Sanderson
Mel Fisher
Clara Dozier
Osceola County
File

Serving the customers of the Citrus Springs, DeLtona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard, Southern Shores, Spring Hill, Sunny Hills and Venice Gardens utilities.

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Sep24 1991

PO Number: HOLD REPORT

PO Number Various
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE

Date Received:

Sep18 1991

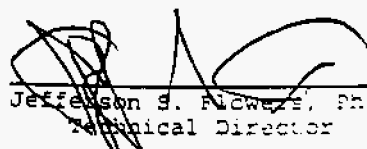
Lab Number : 17838

REPORT OF ANALYSIS

17838					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	108	1.38	<0.000005
Para-dichlorobenzene	mg/L	0.001	97.6	5.31	<0.001
Vinyl chloride	mg/L	0.001	116	9.11	<0.001
1,1-dichloroethene	mg/L	0.001	116	9.11	<0.001
1,2-dichloroethane	mg/L	0.001	105	9.35	<0.001
1,1,1-trichloroethane	mg/L	0.001	109	9.18	<0.001
Carbon tetrachloride	mg/L	0.001	108	9.60	<0.001
Trichloroethene	mg/L	0.001	103	9.16	<0.001
Tetrachloroethene	mg/L	0.001	89.7	6.95	<0.001
Benzene	mg/L	0.001	102	7.68	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
451 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

0853

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3491956
Public Water System Name: Lake Arrow
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;
Subcontracted Lab Certification Number (if any):

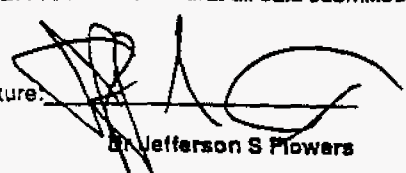
SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17838
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composit
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: / /
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ☐ Yes ☒ No
ANALYSIS SUBMITTEE: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 9/23/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17838	.00002	<.000005	EPA504.1	.000005	9/20/91
2969	Para-dichlorobenzene	17838	.075	<0.001	EPA502.2	0.001	9/19/91
2976	Vinyl chloride	17838	0.001	<0.001	EPA502.2	0.001	9/19/91
2977	1,1-dichloroethene	17838	0.007	<0.001	EPA502.2	0.001	9/19/91
2980	1,2-dichloroethane	17838	0.003	<0.001	EPA502.2	0.001	9/19/91
2981	1,1,1-trichloroethane	17838	0.2	<0.001	EPA502.2	0.001	9/19/91
2982	Carbon tetrachloride	17838	0.003	<0.001	EPA502.2	0.001	9/19/91
2984	Trichloroethene	17838	0.003	<0.001	EPA502.2	0.001	9/19/91
2987	Tetrachloroethene	17838	0.003	<0.001	EPA502.2	0.001	9/19/91
2990	Benzene	17838	0.001	<0.001	EPA502.2	0.001	9/19/91

Comments:

CHEMICAL
LABORATORIES
INCORPORATED

B 9/10/6

 PCR Lab E8018
 PCR Lab E8138
 NCEHNR Lab 280
 SCHED Lab E8018

 ANALYTICAL & CONSULTING CHEMISTS
 CHAIN OF CUSTODY RECORD
 DRINKING WATER 17-530

ATTN: SAM SOBERS

(1) Client SSU		(2) Address 1000 COLOR PLACE APOPKA, FL 32703		(3) Phone 880-0058	
(4) Public Drinking Water ID #		(5) Public Water System Name:			
(6) Project #		(8) Public Water System Type			
(7) MPOs		(9) Community () Non-Community () Special Non-Community			
		Preservative		Plastic Containers	
		ZnOAc/HCl		Glass Containers	
		60ml		10ml	
		125ml		250ml	
		250ml		500ml	
		500ml		1L	
		Wild Pac Bag		2L	
				3L	
				NOTE:	
				(12) Turn Around Time:	
				10 Working Days:	
				5 Working Days:	
				3 Working Days:	
				1 Working Day:	
				Other:	
(16) 15				BAY LR. ESTIMES - 1 well #3490090 TROPICAL PK - 2 wells #3491958 LR. ASAY - 1 well #3491950	
(17) Kit Relinquished:		(17) Date		(9) Kit Received	
R. Sebeck		9-18-91		(9) Date	
		(17) Time 11:00a		(9) Time	
(10) Parameter Group(s) Analyzed:					
Organic Chemical: Secondary Chemical: Turbidity: Inorganic: Trihalomethane: Volatile Organic: X					
Unregulated Organic Pesticides: Unregulated Base Neutral Extractable: Unregulated Acid Extractable:					

(18) Laboratory Number
17838

(11) Client Sample Identification

✓	#1	
	#2	
	#3	
	#4	
	#5	
	#6	
	#7	
	#8	
	#9	
	#10	

(13) Collector's Signature:

(14) Transporter's Signature:

(15) Lab Acceptance By:

Date

Time

9/18

11:00

9/18

3:25

9/18

3:30

Over for numbered instructions.



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

January 2, 1992

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, FL 32807-3767

**Re: Drinking Water Compliance Analysis
Lake A Jay / PWS ID # 3491956**

Dear Ms. Carrasquillo:

Please find enclosed for your records, fourth quarter Volatile Organic analysis for the Lake A Jay water treatment plant, well # 1.

These results are combined with four other Osceola County wells as listed in the analysis report.

Your continued cooperation and assistance as always, is appreciated.

Sincerely,

Sam Sparks,
Area Supervisor

\csd

cc: Jim Ragsdale
Frank Sanderson
Mel Fisher
Jim Murray
Osceola County w/ attachments

File Copy

FLOWERS



CHEMICAL
LABORATORIES
(INCORPORATED)

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Dec19 1991

PO Number: L114113

PO Number Osceola Cty.

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WINDSONG (COMP)

Date Received:

Dec11 1991

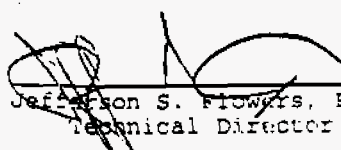
Lab Number : 18476

REPORT OF ANALYSIS

18476					
Parameter	Unit	Method	%ACC	%PRC	
Detection Limit					
Ethylene dibromide	mg/L	0.000005	99.5	10.7	<0.000005
Para-dichlorobenzene	mg/L	0.001	84.3	4.25	<0.001
Vinyl chloride	mg/L	0.001	86.9	.367	<0.001
1,1-dichloroethene	mg/L	0.001	86.9	.367	<0.001
1,2-dichloroethane	mg/L	0.001	85.2	5.21	<0.001
1,1,1-trichloroethane	mg/L	0.001	84.6	5.21	<0.001
Carbon tetrachloride	mg/L	0.001	84.1	5.81	<0.001
Trichloroethene	mg/L	0.001	92.8	6.06	<0.001
Tetrachloroethene	mg/L	0.001	84.5	1.13	<0.001
Benzene	mg/L	0.001	84.1	3.18	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 2

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS. (407) 330-5984
FAX (407) 260-6110

0858

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3491956
Public Water System Name: Lake Erie
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

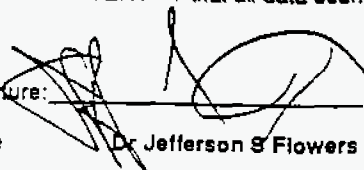
SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 18477
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name: Title Phone:

ANALYSIS INFORMATION

Extraction Date: 12/18/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check) ☒ Yes ☐ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 12/18/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA-01 Sample Interpretation (check one)
Effective 06/01/91: Satisfactory ☐ Unsatisfactory ☐

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18477	.00002	<.000005	EPA504.1	.000005	12/18/91
2969	Para-dichlorobenzene	18477	.075	<0.001	EPA502.2	0.001	12/12/91
2976	Vinyl chloride	18477	0.001	<0.001	EPA502.2	0.001	12/12/91
2977	1,1-dichloroethene	18477	0.007	<0.001	EPA502.2	0.001	12/12/91
2980	1,2-dichloroethane	18477	0.003	<0.001	EPA502.2	0.001	12/12/91
2981	1,1,1-trichloroethane	18477	0.2	<0.001	EPA502.2	0.001	12/12/91
2982	Carbon tetrachloride	18477	0.003	<0.001	EPA502.2	0.001	12/12/91
2984	Trichloroethene	18477	0.003	<0.001	EPA502.2	0.001	12/12/91
2987	Tetrachloroethane	18477	0.003	<0.001	EPA502.2	0.001	12/12/91
2990	Benzene	18477	0.001	<0.001	EPA502.2	0.001	12/12/91

Comments:

CHEMICAL
LABORATORIES
INCORPORATEDANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-880FOER Lab E83018
FOHRS Lab E8151
NCDHNR Lab 284
SCDHNC Lab E8019

ATTN: BILL

(1) Client SSU		(2) Address 1000 Colaplace, Apopka		(3) Phone 4071-2430	
(4) Public Drinking Water ID #		(5) Public Water System Name:			
(6) Project #		(8) Public Water System Type			
(7) PO# OSCOA CT		☒ Community ☐ Non-Community ☐ Special Non-Community			
		Preservative Plastic Containers Glass Containers		NOTE:	
		100ml 120ml 125ml 250ml 500ml 1L 1.5L 2L 3L		(12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other (Two Same - 1 well) #3494291	
(15) 20		☒ Tropical PK - (2 wells) ID # 3491958 ☐ BAY LAKE - (1 well) ID # 3490090 ☐ LAKE ASAY - (1 well) ID # 3491956 ☐ INTERMISSION CITY - (2 wells) ID # 3490073 ☐ DUNE RIDGE - (2 wells)			
(17) Kit Relinquished:		(17) Date		(9) Kit Received	
1-1-1		1-1-1		1-1-1	
(10) Parameter Group(s) Analysed:		(9) Date # 3494292			
Turbidity Inorganic Trihalomethane Volatile Organic Organic Chemical Secondary Chemical Radiological Unregulated Organic Purgeable Unregulated Organic Pesticide Unregulated Base Neutral Extractable Unregulated Acid Extractable		(17) Time			
		(9) Time			

(18) Laboratory Number

(11) Client Sample Identification

#1	11/19/99	1 well
#2	Tropical PK	2 wells
#3	BAY LAKE	1 well
#4	LAKE ASAY	1 well
#5		
#6		
#7	INTERMISSION CITY	2 wells
#8	DUNE RIDGE	2 wells
#9		
#10		

(13) Collectors Signature:

Bill Lewis

Date

12/11

Time

1:00

(14) Transporters Signature:

[Signature]

Date

12/11/99

Time

3:27

(15) Lab Acceptance By:

[Signature]

Over for numbered instructions.

ORLANDO LABORATORIES INC

RECEIVED AUG 28 1989

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 89-08-171
Date Received: 08/16/89
Date Reported: 08/24/89
OLI Contact: E_HOBBS

Work ID: Lake Ajay #2 well
Total Samples: 1

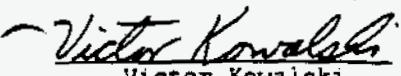
Sampling information is based on data supplied by Client

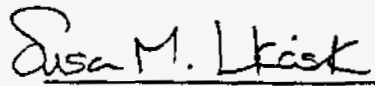
SAMPLE IDENTIFICATION
01 Lake Ajay #2 well

TEST CODES and NAMES used on this report
COLOR Color
G A Gross Alpha (water)
TDS Total Dissolved Solids
TURB Turbidity

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted.
ORLANDO LABORATORIES, INC.


Victor Kowalski
LABORATORY DIRECTOR


Susan Lukasik
QUALITY CONTROL

0862

The Analytical Specialists

Orlando Laboratories, Inc.
Received: 08/16/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-08-171

SAMPLE ID Lake A Jay #2 well
DATE COLLECTED 08/16/89 15:00:00

SAMPLE # 01A
MATRIX WATER

COLOR 20 TDS 670 TURB 6.3
PCU mg/l NTU

Orlando Laboratories, Inc.
Received: 08/16/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-08-171

SAMPLE ID Lake Alav #2 well
DATE COLLECTED 08/16/89 15:00:00
TEST NAME Gross Alpha (water)

SAMPLE# 01A
MATRIX WATER
TEST CODE G A

Code	Element	RESULT	DET_LIMIT
G_A	Gross Alpha	<u><0.5</u>	<u>0.5</u>
Ctn_Err	Counting Error	<u>4.1</u>	<u>0.4</u>

UNITS pCi/l

ANALYST GZT-JAB

uthern States Utilities
Attn: Aaron Perlowich

Report No: 89-08-171

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Turbidity	<1	N/A	08/17/89	CFG
Color	<1	N/A	08/17/89	DR
TDS	<1	100	08/22/89	DR
Gross Alpha	2.4 *	90	08/22/89	GT

* The duplicate for Gross Alpha is reported as actual difference rather than percent difference as specified.

End of Report

[illegible]



General Offices

1000 Color Place
Apopka, FL 32703
[407] 880-0058

May 10, 1990

Mr. Paul J. Morrison
Section Supervisor
Florida Department of Environmental Regulation
3319 Maguire Boulevard - Suite 232
Orlando, Florida 32803-3767

Re: Radium 226 analysis for Lake Ajay
I.D. # 3491956

Dear Mr. Morrison:

This letter is in regard to the Gross Alpha analysis for the above referenced water system exceeding the M.C.L. on the third quarter sample.

Please find enclosed results of an equivalent sample for radium 226 submitted to Orlando Lab April 24, 1990.

Sincerely,

Sam Sparks
Area Supervisor -- Operations Department

Southern States Utility Services, Inc.

/rb

cc: Charles L. Sweat
Aaron Perlowich
Engineering w/attachments

ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-04-277
Date Received: 04/24/90
Date Reported: 05/07/90
OLI Contact: E_HOBES

Work ID: Lake Ajay Plant #773
Total Samples: 1

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Lk Ajay (Dist)

TEST CODES and NAMES used on this report
RAD226 Radium 226 (water)

Copy of results to:

Southern States Utilities
Attn: Sam Sparks
1000 Color Place
Apopka, Florida 32703

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141. Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

Acting
LABORATORY DIRECTOR

Eric Malarek
Eric Malarek
QUALITY CONTROL

0868

The Analytical Specialists

ORLANDO LABORATORIES, INC.
Received: 04/24/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-04-277

S# ID Lk Ajay (Dist)
DATE COLLECTED 04/24/90 09:00:00
TEST NAME Radium 226 (water)

SAMPLE# 01A
MATRIX WATER
TEST CODE RAD226

UNITS pCi/l

Code	Element	RESULT	DET_LIMIT
Rad226	Radium 226	<u>0.9</u>	<u>0.2</u>
Ctn_Err	Counting Error	<u>0.2</u>	<u>0.2</u>

ANALYST JAB

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-04-277
Page: 3

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Radium 226	0.7	116	05/04/90	JAB

End of Report

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-8845 FAX (407) 888-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page

20

No

[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0871

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

RECEIVED
DEC 9 3 36 PM '91
BY: D. KAZANIS
12/10

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: LK Ajay SYSTEM I.D. NO: 3491956 SYSTEM PHONE #: None
ADDRESS: 310 1000 Colorplace COUNTY: Osceola DER DISTRICT: 03
COLLECTOR: Bill T. COLLECTOR PHONE #: None
SAMPLE SITE (Locality or Subdivision): Lake Ajay
DATE AND TIME COLLECTED: 12/9 743
TYPE OF SUPPLY(Circle one): ☒ Community water system ☐ Noncommunity water system ☐ Nontransient - noncommunity water system
☐ Private well ☐ Swimming pool ☐ Bottled water ☐ Other public water system
TYPE OF SAMPLE(Circle one): ☒ Compliance ☐ Repeat ☐ Replacement ☐ Main clearance ☐ Well survey ☐ Other (Specify)
☒ Distribution ☐ Raw ☐ TNC or C ☐ Turbid ☐ DO NOT RINSE OR TOUCH
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CI RES'D	pH	ANALYSIS METHOD: MF	MTF	MMO-MUG	PA	
1	Well	-	7.4	SAMPLE NUMBER 0524-6	NON COLIFORM	TOTAL	CONFIRM TOTAL	CONFIRM FECAL
2	3154 Whisperwind	1.2	7.4	0524-7		A		
3	3202 Misty morning	1.2	7.4	0524-8		A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU Services
1000 Colorplace
Apexka FI 32703

- () SATISFACTORY
- () INCOMPLETE COLLECTION INFORMATION
- () REPEAT SAMPLES
- () REPLACEMENT SAMPLES

REVIEWING OFFICIAL: [Signature]

TITLE: DER

Lake Brantley - 325

Seminole County (SSU)

Water

- 1992 FPSC Filing -

Lake Brantley

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	3/91
Organic	3/91
Volatile Organic Chemicals	3/91
	6/91
	9/91
	12/91
Turbidity	3/91
Microbiological	12/91
Radionuclide	3/91
Secondary Contaminants	3/91
Unregulated Contaminants	3/91



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 30, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulations
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Western Shores PWS ID #3351464
Lake Brantley PWS ID #3590685
Venetian Village PWS ID #3351426

Dear Ms. Carrasquillo,

Enclosed please find results for Primary Organics, Primary Inorganics, Secondarys, Turbidity and Radiological Analysis for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Fla

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From: SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 19 1991
PD Number: B91052
PD Number LK. Brantley
FDHRS Lab# : B3139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received:

Mar 26 1991

Lab Number : 16536

REPORT OF ANALYSIS

Lake Brantley

16536				
Parameter	Unit	Method	%ACC	%PRC
		Detection		
		Limit		
Turbidity	NTU	0.05	100	.000
Arsenic	mg/L	0.0005	102	3.82
Barium	mg/L	0.01	108	1.44
Cadmium	mg/L	0.001	103	.170
Chromium	mg/L	0.005	93.8	1.89
Fluoride	mg/L	0.05	104	1.56
Lead	mg/L	0.001	104	5.91
Mercury	mg/L	0.0002	100	.000
Nitrate(as N)	mg/L	0.01	95.1	14.2
Selenium	mg/L	0.0005	105	7.30
Silver	mg/L	0.005	102	.788
Sodium	mg/L	0.002	103	.516
Endrin	mg/L	0.000001	99.6	3.41
Lindane	mg/L	0.000001	98.4	2.59
Methoxychlor	mg/L	0.00001	109	13.0
Toxaphene	mg/L	0.0001	106	.935
2,4-D	mg/L	0.00005	107	.994
2,4,5-TP(Silvex)	mg/L	0.00002	111	2.22
Calcium	mg/L	0.1	106	.362
Chloride	mg/L	0.015	102	.049
Carbonate_CaCO3	mg/L	0.1		108.01
Hydroxide_CaCO3	mg/L	0.1		-
Copper	mg/L	0.005	105	.413
Bicarbonate_CaCO3	mg/L	0.1		107.7
Carbonate_Alkalinity	mg/L	0.1		0.4
Hydrogen_Sulfide	mg/L	0.5		-

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL GA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
451 NEWBURYPORT
P.O. BOX 150-597
ALLAMONT SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr19 1991

PO Number: 891052

PO Number Lk. Brantley

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar26 1991

Lab Number : 16536

REPORT OF ANALYSIS

					16536
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Iron	mg/L	0.01	108	1.08	0.273
Magnesium	mg/L	0.01	108	.722	8.65
Manganese	mg/L	0.005	102	.630	0.01
Sulfate	mg/L	0.2	99.2	1.22	1.94
Zinc	mg/L	0.001	102	1.05	0.009
Carbon_Dioxide	mg/L	0.1			5.8
Color	mg/L	5	-	.000	15
Total_Hardness	mg/L	0.1			141.01
NCH_as_CaCO3	mg/L	0.1			33
Odor(TON)	TON	1	-	.000	<1
Field_pH	pH	0.01			7.2
Lab_pH	pH	0.01	100	1.00	7.57
Field Conductivity	umhos/c	0.01			191
Total Alkalinity	mg/L	0.1	99.4	.667	108
TDS	mg/L	2.5	95.3	3.77	154
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			22.8
Langelier Index	LX	0.01			-0.21
Saturation Index	pHs	0.01			7.78
Stability Index	pH	0.01			8
Foaming Agents	mg/L	0.1	99.7	1.02	<0.1
Field DO	mg/L	0.1			10
Field Chlorine	mg/L	0.1			1.3
Gross alpha incl. Ra	pCi/L	1			1

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL GA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 2

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWSBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590695
Public Water System Name: Lake Bradley
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☒; Inorganic ☒; Trihalomethane ☐
Volatile Organic ☐; Organic Chemical ☒; Secondary Chemical ☒; Radiological ☒
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐
Subcontracted Lab Certification Number For Radiological Parameters: HRS82138

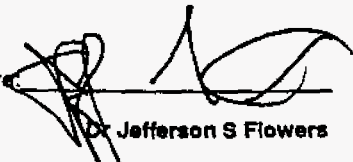
SAMPLE INFORMATION

Sample Date (MMDDYY): _____
Laboratory Sample Number: 16536
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☒ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☒ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: 4/1/91
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers
Title: Technical Director

Mail Results to the
Appropriate DER or ACPHU Office:

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/18/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/81 ☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	16536	1	2.10	EPA180.1	0.05	4/2/91

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	16536	0.05	<0.0005	EPA208.3	0.0005	4/5/91
1010	Barium	16536	1	<0.1	EPA208.1	0.01	4/4/91
1015	Cadmium	16536	0.01	<0.001	EPA213.1	0.001	4/2/91
1020	Chromium	16536	0.05	<0.005	EPA218.1	0.005	4/2/91
1025	Fluoride	16536	4	.106	EPA340.1	0.05	3/28/91
1030	Lead	16536	0.05	<0.01	EPA239.2	0.001	4/4/91
1035	Mercury	16536	0.002	<0.0002	EPA245.1	0.0002	3/28/91
1040	Nitrate(as N)	16536	10	.110	EPA353.1	0.01	04-03-91
1045	Selenium	16536	0.01	<0.0005	EPA270.3	0.0005	4/5/91
1050	Silver	16536	0.05	<0.005	EPA272.1	0.005	4/1/91
1052	Sodium	16536	160	.105	EPA273.1	0.002	3/28/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	16536	0.0002	<.000001	EPA508	.000001	4/1/91
2010	Lindane	16536	0.004	<.000001	EPA508	.000001	4/1/91
2015	Methoxychlor	16536	0.1	<0.00001	EPA508	0.00001	4/2/91
2020	Toxaphene	16536	0.005	<0.0001	EPA508	0.0001	4/1/91
2105	2,4-D	16536	0.1	<0.00005	EPA515	0.00005	4/2/91
2110	2,4,5-TP(Silvex)	16536	0.01	<0.00002	EPA515	0.00002	4/2/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	16536		42.3	EPA215.1	0.1	4/4/91
1017	Chloride	16536	250	11.5	EPA300.0	0.015	04-01-91
1019	Carbonate CaCO3	16536		108.1	SM314A	0.1	4/4/91
1021	Hydroxide CaCO3	16536		0.0	SM406C	0.1	4/4/91
1022	Copper	16536	1	.0180	EPA220.1	0.005	4/3/91
1023	Bicarbonate CaCO3	16536		107.7	SM406C	0.1	4/4/91
1026	Carbonate Alkalinity	16536		0.4	SM406C	0.1	4/4/91

1027	Hydrogen Sulfide	16536			EPA376.1	0.5	
1028	Iron	16536	0.3	.273	EPA236.1	0.01	3/27/91
1031	Magnesium	16536		8.65	EPA242.1	0.01	4/4/91
1032	Manganese	16536	0.05	.0100	EPA243.1	0.005	3/29/91
1055	Sulfate	16536	250	1.94	EPA300.0	0.200	3/28/91
1095	Zinc	16536	5	.00900	EPA289.1	0.001	4/3/91
1901	Carbon Dioxide	16536		5.8	SM406C	0.1	4/4/91
1905	Color	16536	15	15.0	EPA110.1	5	3/27/91
1915	Total Hardness	16536		141.1	SM314A	0.1	4/4/91
1917	NCH as CaCO3	16536		33.0	SM314A	0.1	4/4/91
1920	Odor(TON)	16536	3	<1	EPA140.1	1	3/27/91
1924	Field pH	16536	6.5-8.5	7.2	EPA150.1	0.01	
1925	Lab pH	16536	6.5-8.5	7.57	EPA150.1	0.01	4/1/91
1926	Field Conductivity	16536		191.0	-	0.01	
1927	Total Alkalinity	16536		108	EPA310.1	0.1	3/29/91
1930	TDS	16536	500	154	EPA160.1	2.5	4/1/91
1931	Phenolphthalein Alk.	16536			EPA310.1	0.1	
1996	Field Temp. (C)	16536		22.8	-		1 4/4/91
1997	Langelier Index	16536	-0.2:+0.2	-0.21	SM203	0.01	4/4/91
1998	Saturation Index	16536		7.78	SM203	0.01	4/4/91
1999	Stability Index	16536		8.00	SM203	0.01	4/4/91
2909	Foaming Agents	16536	0.5	<0.1	EPA425.1	0.1	4/1/91
9996	Field DO	16536		10.0	-	0.1	
9997	Field Chlorine	16536		1.3	-	0.1	

Comments:

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(pCi/L)	Analytical Method	Det.Limit Used	Analysis Date
4000	Gross alpha incl. Ra & U	16536	5	1	EPA900	1	4/18/91

Comments:

FLOWERS



ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

CHEMICAL
LABORATORIES
INCORPORATED

CLIENT SSU		ADDRESS 1000 Cedar Place Apopka FL		PHONE 880-0100																	
PROJECT NAME B91052		REQUIRED: ☐ Urgent ☒ Routine		DATE 3/26/91																	
Sample Containers	Preservative			Plastic Containers			Glass Containers			NOTES: 4 H₂O₂ 4 Samples											
	QTY	HNO ₃	H ₂ SO ₄	HCl	Na ₂ SO ₃	Zn(CH ₃ COO) ₂ /NaOH	NaOH/Ascorbic Acid	60ml	125ml		250ml	500ml	1L	2L	Whirl-Pak Bag	40ml Vial	250ml	500ml	1L	2L	4L
	1	X									X										
	1											X									
	1	X									X										
Kit Relinquished:		Date:		Kit Received:		Date:															
		Time:				Time:															
Parameters: PDlog Pdc Sec GA		Laboratory Number		Client Identification/Description		Dist. Water															
						10:35 AM															
				Charlotte		Fields Cond. It.															
				H. ...		Cl₂ 1.2															
				Lake ...		pH 7.2															
						Temp 74															
						DO Pending															
						Conduct Pending															
		16536		LAKE BRANTLEY																	
				ID 3590685																	
Sample Collection:				Frank M. ...		Date		3-26-91		Time		10:35 AM									
Transportation:				Frank M. ...																	
Lab Acceptance:				[Signature]				3/26/91				11:15									

Page _____ of _____

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.

481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5084
FAX 407 339-5084



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

May 29, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Seminole County - PW
Lake Brantley
PWS ID #3590685

Dear Ms. Carrasquillo,

Please find enclosed, results of re-takes on Turbidity for the above mentioned facility.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Division Supervisor

DBC/jlm

cc: Charles Sweat
Clara Dozier
File

Serving the customers of the Citrus Springs, Deltona, Marco Island, Manon Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunny Hills and Venice Gardens utilities.



ORLANDO LABORATORIES ^{INC}

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Don Corder

Work Order # : 91-05-035
Date Received: 05/02/91
Date Reported: 05/15/91
OLI Contact: L_BALTZLEY

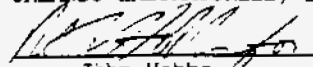
Work ID: 3590685 Lake Brantley
Samples collected by: Client
Total Samples: 2

SAMPLE IDENTIFICATION
01 #1
02 #2

TEST CODES and NAMES used on this report
TURB Turbidity

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 23141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 05/02/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-05-035

SAMPLE ID <u>#1</u>	SAMPLE # <u>01A</u>
DATE COLLECTED <u>05/01/91 16:00:00</u>	MATRIX <u>WATER</u>
TURB <u><0.50</u> NTU	

SAMPLE ID <u>#2</u>	SAMPLE # <u>02A</u>
DATE COLLECTED <u>05/02/91 08:45:00</u>	MATRIX <u>WATER</u>
TURB <u><0.50</u> NTU	

Southern States Utilities
Attn: Don Corder

Report No: 91-05-035
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES</u> <u>% DIFFERENCE</u>	<u>SPIKES</u> <u>% RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Turbidity	3	N/A	05/03/91	RAW

[illegible]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0886



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Don Corder

Work Order # : 91-05-057
Date Received: 05/03/91
Date Reported: 05/15/91
OLI Contact: L_BALTZLEY

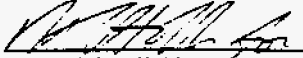
Work ID: 3590685 Lake Brantley
Samples collected by: Client
Total Samples: 1

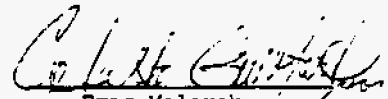
SAMPLE IDENTIFICATION
01 Lake Brantley

TEST CODES and NAMES used on this report
TURB Turbidity

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number S3141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6588

ORLANDO LABORATORIES, INC.
Received: 05/03/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-05-057

SAMPLE ID	<u>Lake Brantley</u>	SAMPLE #	<u>01A</u>
DATE COLLECTED	<u>05/03/91 11:15:00</u>	MATRIX	<u>WATER</u>
TURB	<u><0.50</u>		
	NTU		

Southern States Utilities
Attn: Don Corder

Report No: 91-05-057
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES % DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Turbidity	<1	N/A	05/04/91	JN

8, INC.
o, FL 32814
(407) 898-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page _____ of _____

1		2		3	
CONTACT PERSON/PHONE # INVOICE		OLI WORK ORDER # (LAB USE)			
APOLKA		9105057			
4		5		6	
CONTACT PERSON/PHONE # REPORT		PB NUMBER (LAB USE)			
C/O DON CORP					
7		17		18	
ADDRESS (CITY, STATE, ZIP)		NUMBER OF CONTAINERS		REQUESTED ANALYSIS	
1000 COLOR PLACE FL 32703				TUB	
8		9		19	
CLIENT PROJECT #		CLIENT PROJECT #		REMARKS	
3590685		111408 PO			
10		11		12	
SAMPLE IDENTIFICATION		DATE/TIME		SAMPLE DESCRIPTION	
LA DRANTLEY		11:15 AM 5-3			
13		14		15	
COM		DATE/TIME		ACCEPTED BY	
GRAB		11:10 PM 6-3-91		Deedee Homan	
WATER		16		20	
SOIL		ADDITIONAL REMARKS		COOLER #s	
OTHER					
17		21		22	
TRANSFER NUMBER		RELINQUISHED BY		SAMPLER'S SIGNATURE	
1st		J. H. C. G. C.			
2nd					
3rd					

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0680



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 29, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803

Re: Holiday Haven PWS ID #348D547
 Harmony Homes PWS ID #3590497
 Lake Harriet PWS ID #3590699
 Lake Brantley PWS ID #3590685

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis, Unregulated Organic Purgeables, Unregulated Organic Pesticides, Unregulated Base Neutral Extracts and Unregulated Acid Extractables for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
 Frank Sanderson
 Ralph Terrero
 Clara Dozier
 File



Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PD Number: B91052

PD Number

FDHRS Lab# : 83139
FDER Lab# : EB3012
NCDEHNR Lab# : 296
SCDHED Lab# : 96019

For: NELL

Date Received:

Mar 12 1991

Lab Number : 16444

REPORT OF ANALYSIS

Lake Brantley

16444

Parameter	Unit	Method	%ACC	%PREC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	97.2	9.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	112	2.33	<0.001
Vinyl chloride	mg/L	0.001	100	.351	<0.001
1,1-dichloroethene	mg/L	0.001	100	.351	<0.001
1,2-dichloroethane	mg/L	0.001	119	1.74	<0.001
1,1,1-trichloroethane	mg/L	0.001	98.3	.288	<0.001
Carbon tetrachloride	mg/L	0.001	98.3	.451	<0.001
Trichloroethene	mg/L	0.001	102	1.71	<0.001
Tetrachloroethene	mg/L	0.001	102	1.99	<0.001
Benzene	mg/L	0.001	94.7	.436	<0.001
Chloromethane	mg/L	0.001	105	2.94	<0.001
Dichlorodifluorometh	mg/L	0.001	98.3	.451	<0.001
Bromomethane	mg/L	0.001	105	2.94	<0.001
Chloroethane	mg/L	0.001	100	.351	<0.001
Trichlorofluorometha	mg/L	0.001	98.3	.451	<0.001
trans-1,3-dichloroprop	mg/L	0.001	105	1.28	<0.001
cis-1,3-dichloroprop	mg/L	0.001	111	11.3	<0.001
Methyl-tert-butyleth	mg/L	0.001	108	2.98	<0.001
cis-1,2-dichloroeth	mg/L	0.001	111	11.3	<0.001
Dibromomethane	mg/L	0.001	105	2.94	<0.001
1,1-dichloropropene	mg/L	0.001	103	1.65	<0.001
1,3-dichloropropane	mg/L	0.001	105	1.28	<0.001
1,2,3-trichloropropane	mg/L	0.001	108	10.7	<0.001
2,2-dichloropropane	mg/L	0.001	100	.351	<0.001
1,2-dichloro-3-chloro	mg/L	0.001	108	10.7	<0.001
Chloroform	mg/L	0.001	97.7	.975	0.00252

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

[Signature]
Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 336-5954
FAX 407 336-5954



Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: B91052

 PO Number
 FDHRS Lab# : 93139
 FOER Lab# : E83018
 NCDEHNR Lab# : 296
 SCDHEC Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

Lab Number : 16444

REPORT OF ANALYSIS

					16444
Parameter	Unit	Method	%ACC	%PRC	
Detection					
Limit					
Bromoform	mg/L	0.001	115	12.1	0.00672
Bromodichloromethane	mg/L	0.001	99.3	3.77	0.00697
Dibromochloromethane	mg/L	0.001	112	4.36	0.0149
p-xylene	mg/L	0.001	112	2.45	<0.001
Methylene chloride	mg/L	0.001	105	2.94	<0.001
o-chlorotoluene	mg/L	0.001	104	5.54	<0.001
p-chlorotoluene	mg/L	0.001	93.7	7.60	<0.001
m-dichlorobenzene	mg/L	0.001	113	1.49	<0.001
o-dichlorobenzene	mg/L	0.001	113	1.59	<0.001
1,1-dichloroethane	mg/L	0.001	97.8	1.17	<0.001
trans-1,2-dichloroet	mg/L	0.001	112	3.65	<0.001
1,2-dichloropropane	mg/L	0.001	101	1.965	<0.001
1,1,2-trichloroethan	mg/L	0.001	112	11.2	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	99.0	3.15	<0.001
1,1,1,2,2-tetrachloroe	mg/L	0.001	115	12.3	<0.001
Chlorobenzene	mg/L	0.001	101	1.37	<0.001
Toluene	mg/L	0.001	93.7	7.60	<0.001
Ethylbenzene	mg/L	0.001	95.4	1.04	<0.001
Bromobenzene	mg/L	0.001	101	1.37	<0.001
m-xylene	mg/L	0.001	112	2.45	<0.001
Styrene	mg/L	0.001	93.7	7.60	<0.001
o-xylene	mg/L	0.001	112	2.45	<0.001
Dalapon	mg/L	0.000001	99.0	4.29	<0.000001
Oxamyl (Ovdate)	mg/L	0.002	101	16.8	<0.002
Simazine	mg/L	0.007	102	1.31	<0.007
Picloram	mg/L	0.00007	102	3.97	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
 Methods of analysis in accordance with FDL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
 Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
 Jefferson S. Flowers, Ph.D.
 481 NEWBURYPORT
 P.O. BOX 150-597
 ALAMONTE SPRINGS
 FLORIDA 32715-0597
 BUS 407 326-6664
 FAX 407 326-6117

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: 891052

PD Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

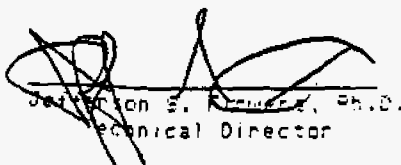
Lab Number : 16444

REPORT OF ANALYSIS

					16444
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	108	.328	<0.00001
Aldicarb sulfoxide	mg/L	0.002	83.7	.000	<0.002
Aldicarb sulfone	mg/L	0.002	100	15.1	<0.002
Metolachlor	mg/L	0.0005	104	3.42	<0.0005
Carbofuran	mg/L	0.001	100	5.34	<0.001
Aldicarb	mg/L	0.002	92.0	6.71	<0.002
Atrazine	mg/L	0.002	103	1.20	<0.002
Alachlor (Lasso)	mg/L	0.0002	105	.673	<0.0002
Heptachlor	mg/L	0.000005	101	.702	<0.000005
Aldrin	mg/L	0.00007	109	1.17	<0.00007
Dieldrin	mg/L	0.00001	93.6	2.42	<0.00001
Dicamba	mg/L	0.00001	115	7.99	<0.00001
Chlordane	mg/L	0.00001	100	3.39	<0.00001
Pentachlorophenol	mg/L	0.005	99.8	1.42	<0.005
Hexachlorocyclopenta	mg/L	0.001	93.5	6.81	<0.001
Dioxin	mg/L	0.00001	101	7.58	<0.00001
Isophorone	mg/L	0.001	93.4	.424	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.3	1.42	<0.001
Dimethylphthalate	mg/L	0.001	100	5.60	<0.001
Diethylphthalate	mg/L	0.001	91.4	.804	<0.001
Dio-n-butylphthalate	mg/L	0.001	99.9	2.41	<0.001
Butyl benzyl phthala	mg/L	0.001	96.7	4.11	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	97.2	7.19	<0.001
1,2,4-trichlorobenz	mg/L	0.001	97.1	4.00	<0.001
PCB_1016	mg/L	0.0001	97.7	2.75	<0.0001
PCB_1221	mg/L	0.0001	99.0	2.00	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL GA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
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ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5584
FAX 407 339-5110

0894

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: 891052

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDE:NR Lab# : 296
SCDHED Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

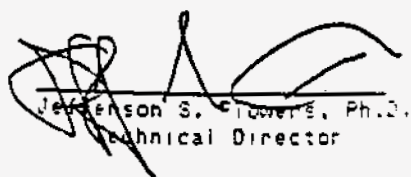
Lab Number : 16444

REPORT OF ANALYSIS

Parameter	Unit	Method	16444		
			%ACC	%PRC	
		Detection Limit			
PCB_1232	mg/L	0.0001	102	2.36	<0.0001
PCB_1242	mg/L	0.0001	101	3.94	<0.0001
PCB_1248	mg/L	0.0001	102	3.19	<0.0001
PCB_1254	mg/L	0.0001	100	3.52	<0.0001
PCB_1260	mg/L	0.0001	98.7	4.16	<0.0001
Dioctylphthalate	mg/L	0.001	97.4	2.38	<0.001
2-chlorophenol	mg/L	0.001	94.9	7.03	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	100	2.18	<0.001
Phenol	mg/L	0.001	100	.423	<0.001
2,4,6-trichloropheno	mg/L	0.001	101	3.56	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.



Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
305 407 129-5586
FAX 407 129-5586

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590685
Public Water System Name: Lake Brandley
Public Water System Type (check one):
☒ Communi ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyz: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic_X___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide_X___;
Unregulated Base Neutral Extractable_X___; Unregulated Acid Extractable_X___;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 16444

Sample Location (be specific):

Sample Type (check all applicable):

☐ Check ☐ Regular Distribution ☐ Composit
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 3/22/91

Laboratory Cont: Dr. J.S. Flowers

Resample Requested? (che ☐ Yes ☒ No

ANALYSIS SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/2/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16444	.00002	<.000005	EPA504.1	.000005	3/27/91
2969	Para-dichlorobenzene	16444	.075	<0.001	EPA502.2	0.001	3/22/91
2976	Vinyl chloride	16444	0.001	<0.001	EPA502.2	0.001	3/22/91
2977	1,1-dichloroethene	16444	0.007	<0.001	EPA502.2	0.001	3/22/91
2980	1,2-dichloroethane	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2981	1,1,1-trichloroethane	16444	0.2	<0.001	EPA502.2	0.001	3/22/91
2982	Carbon tetrachloride	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2984	Trichloroethene	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2987	Tetrachloroethene	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2990	Benzene	16444	0.001	<0.001	EPA502.2	0.001	3/22/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16444		<0.001	EPA502.2	0.001	3/22/91
2212	Dichlorodifluoromethane	16444		<0.001	EPA502.2	0.001	3/22/91
2214	Bromomethane	16444		<0.001	EPA502.2	0.001	3/22/91
2216	Chloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2218	Trichlorofluoromethane	16444		<0.001	EPA502.2	0.001	3/22/91
2224	trans-1,3-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2228	cis-1,3-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2251	Methyl-tert-butylether	16444		<0.001	EPA502.2	0.001	3/22/91
2380	cis-1,2-dichloroethene	16444		<0.001	EPA502.2	0.001	3/22/91
2408	Dibromomethane	16444		<0.001	EPA502.2	0.001	3/22/91
2410	1,1-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2412	1,3-dichloropropane	16444		<0.001	EPA502.2	0.001	3/22/91
2414	1,2,3-trichloropropane	16444		<0.001	EPA502.2	0.001	3/22/91
2416	2,2-dichloropropane	16444		<0.001	EPA502.2	0.001	3/22/91
2931	1,2-dibromo-3-chloropropane	16444		<0.001	EPA502.2	0.001	3/22/91
2941	Chloroform	16444		0.00252	EPA502.2	0.001	3/22/91
2942	Bromoform	16444		0.00672	EPA502.2	0.001	3/22/91
2943	Bromodichloromethane	16444		0.00697	EPA502.2	0.001	3/22/91
2944	Dibromochloromethane	16444		0.0149	EPA502.2	0.001	3/22/91
2962	p-xylene	16444		<0.001	EPA502.2	0.001	3/22/91
2964	Methylene chloride	16444		<0.001	EPA502.2	0.001	3/22/91
2965	o-chlorotoluene	16444		<0.001	EPA502.2	0.001	3/22/91
2966	p-chlorotoluene	16444		<0.001	EPA502.2	0.001	3/22/91
2967	m-dichlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91
2968	o-dichlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91
2978	1,1-dichloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2979	trans-1,2-dichloroethene	16444		<0.001	EPA502.2	0.001	3/22/91
2983	1,2-dichloropropane	16444		<0.001	EPA502.2	0.001	3/22/91
2985	1,1,2-trichloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2986	1,1,1,2-tetrachloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2988	1,1,2,2-tetrachloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2989	Chlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91

2991	Toluene	16444
2992	Ethylbenzene	16444
2993	Bromobenzene	16444
2995	m-xylene	16444
2996	Styrene	16444
2997	o-xylene	16444

Comments:

<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91
<0.001	EPA502.2	0.001	3/22/91

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16444		<0.000001	EPA515	0.000001	3/26/91
2036	Oxamyl (Vydate)	16444		<0.002	EPA531	0.002	3/14/91
2037	Simazine	16444		<0.007	EPA505	0.007	3/26/91
2040	Picloram	16444		<0.00007	EPA515	0.00007	3/26/91
2041	Dinoseb	16444		<0.00001	EPA515	0.00001	3/26/91
2043	Aldicarb sulfoxide	16444		<0.002	EPA531	0.002	3/14/91
2044	Aldicarb sulfone	16444		<0.002	EPA531	0.002	3/14/91
2045	Metolachlor	16444		<0.0005	EPA505	0.0005	3/26/91
2046	Carbofuran	16444		<0.001	EPA531	0.001	3/14/91
2047	Aldicarb	16444		<0.002	EPA531	0.002	3/14/91
2050	Atrazine	16444		<0.002	EPA505	0.002	3/26/91
2051	Alachlor (Lasso)	16444		<0.0002	EPA505	0.0002	3/26/91
2065	Heptachlor	16444		<0.000005	EPA508	0.000005	3/20/91
2356	Aldrin	16444		<0.00007	EPA508	0.00007	3/20/91
2364	Dieldrin	16444		<0.00001	EPA508	0.00001	3/20/91
2440	Dicamba	16444		<0.00001	EPA515	0.00001	3/26/91
2959	Chlordane	16444		<0.00001	EPA508	0.00001	3/20/91
9114	Pentachlorophenol	16444		<0.005	EPA515	0.005	4/1/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16444		<0.001	EPA508	0.001	3/20/91
2063	Dioxin	16444		<0.00001	EPA613	0.00001	3/20/91
2262	Isophorone	16444		<0.001	EPA609	0.001	4/1/91
2270	2,4-dinitrotoluene	16444		<0.001	EPA609	0.001	4/1/91
2282	Dimethylphthalate	16444		<0.001	EPA608	0.001	4/1/91
2284	Diethylphthalate	16444		<0.001	EPA608	0.001	4/1/91
2290	Di-n-butylphthalate	16444		<0.001	EPA608	0.001	4/1/91
2294	Butyl benzyl phthalate	16444		<0.001	EPA608	0.001	4/1/91
2298	Bis(2-ethylhexyl)phthalate	16444		<0.001	EPA608	0.001	4/1/91
2378	1,2,4-trichlorobenzene	16444		<0.001	EPA612	0.001	4/1/91
2388	PCB-1016	16444		<0.0001	EPA505	0.0001	3/20/91
2390	PCB-1221	16444		<0.0001	EPA505	0.0001	3/20/91
2392	PCB-1232	16444		<0.0001	EPA505	0.0001	3/20/91
2394	PCB-1242	16444		<0.0001	EPA505	0.0001	3/20/91
2396	PCB-1248	16444		<0.0001	EPA505	0.0001	3/20/91
2398	PCB-1254	16444		<0.0001	EPA505	0.0001	3/20/91

2400 PCB-1280 16444
 9089 Diethylphthalate 16444
 Comments:

<0.0001 EPA505 0.0001 3/20/91
 <0.001 EPA608 0.001 4/1/91

Unregulated Acid Extractable Analysis
 17-550.410(4)
 (PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16444		<0.001	EPA804	0.001	4/1/91
9112	2-methyl-4,6-dinitophe	16444		<0.001	EPA804	0.001	4/1/91
9115	Phenol	16444		<0.001	EPA804	0.001	4/1/91
9116	2,4,6-trichlorophenol	16444		<0.001	EPA804	0.001	4/1/91

Comments:

**CHEMICAL
LABORATORIES
(INCORPORATED)**

Page _____ of _____

481 NEWBURYPORT
P O BOX 150-397
ALLAMONTE SPRINGS
FLORIDA 32718-0597
PUE 407 339-4282



General Offices

1000 Color Place
Apopka, FL 32703
(407) 890-0058

June 3, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Seminole County PW
Chuluota PWS ID #3590186
Harmony Homes PWS ID #3590497
Lake Harriett PWS ID #3590699
Lake Brantley PWS ID #3590685

Dear Ms. Carrasquillo,

Please find enclosed results for Volatile Organic Analysis second quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder
Division Supervisor

DBC/jlm

cc: Charles Sweat
Clara Dozier
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

Southern States
1899 Color Pl.
Apopka, FL 32703

Date Reported: Jun25 1991

PO Number: N/A

PO Number N/A

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: Water Sample

Date Received:

Jun20 1991

Lab Number : 17194

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	17194
					Detection Limit
Ethylene dibromide	mg/L	0.000005	98.5	6.14	<0.000005
Para-dichlorobenzene	mg/L	0.001	103	2.16	<0.001
Vinyl chloride	mg/L	0.001	96.1	4.39	<0.001
1,1-dichloroethene	mg/L	0.001	96.1	4.39	<0.001
1,2-dichloroethane	mg/L	0.001	113	3.25	<0.001
1,1,1-trichloroethane	mg/L	0.001	101	4.48	<0.001
Carbon tetrachloride	mg/L	0.001	98.5	4.28	<0.001
Trichloroethene	mg/L	0.001	99.7	3.98	<0.001
Tetrachloroethene	mg/L	0.001	96.0	3.69	<0.001
Benzene	mg/L	0.001	94.9	1.68	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
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ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 250-6110

0902

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590 685
Public Water System Name: Lake Brandley
Public Water System Type (check one):
☒ Communit ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; - Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17194
Sample Location (be specific): 1-Well
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special 2nd Qtr. VOC
Sampler Name, Title Phone: FRANK McCORD

ANALYSIS INFORMATION

Extraction Date / /
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 6/24/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17194	.00002	<.000005	EPA504.1	.000005	6/21/91
2969	Para-dichlorobenzene	17194	.075	<0.001	EPA502.2	0.001	6/21/91
2976	Vinyl chloride	17194	0.001	<0.001	EPA502.2	0.001	6/21/91
2977	1,1-dichloroethene	17194	0.007	<0.001	EPA502.2	0.001	6/21/91
2980	1,2-dichloroethane	17194	0.003	<0.001	EPA502.2	0.001	6/21/91
2981	1,1,1-trichloroethane	17194	0.2	<0.001	EPA502.2	0.001	6/21/91
2982	Carbon tetrachloride	17194	0.003	<0.001	EPA502.2	0.001	6/21/91
2984	Trichloroethene	17194	0.003	<0.001	EPA502.2	0.001	6/21/91
2987	Tetrachloroethene	17194	0.003	<0.001	EPA502.2	0.001	6/21/91
2990	Benzene	17194	0.001	<0.001	EPA502.2	0.001	6/21/91

Comments:

(1) Client <u>S.S.U. SERVICES</u>		(2) Address <u>70 1000 COLORADO AVE</u>		(3) Phone <u>880-4058</u>	
(4) Public Drinking Water ID # <u>3590685</u>		(5) Public Water System Name: <u>L.S. BRAWLEY</u>			
(6) Project #		(7) Public Water System Type			
(8) ZIP		(9) Community ☒ () Non-Community () Special Non-Community			

Preservatives		Plastic Containers					Glass Containers					NOTES:
1	1	1	1	1	1	1	1	1	1	1	(10) Turn Around Time: _____ 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____	
2	2	2	2	2	2	2	2	2	2	2		
3	3	3	3	3	3	3	3	3	3	3		
4	4	4	4	4	4	4	4	4	4	4		
5	5	5	5	5	5	5	5	5	5	5		

(11) Kit Relinquished:	(12) Date <u>6/14/91</u>	(13) Kit Received	(14) Date
<u>FRANK MCCORD</u>			

NOTES:

PULLED 9:00am 6/19/91

TESTING FOR VOC

Parameters Group(s) Analyzed: Turbidity, Inorganic, Nitroaromatics, Volatile Organic, Organic Chemical, Secondary Chemical, Nitriloxime, Unregulated Organic Pesticide, Unregulated Organic Pesticide, Unregulated Base Neutral Extractable, Unregulated Acid Extractable.

1. Laboratory Number

1.5) Client Sample Identification

Collector's Signature:

Signature: _____

0 yll. 00 Acceptance 11/1/

Use

● 100 ●

10/19/91
10/19/91

10: 70A
10: 80A



September 30, 1991

General Offices

1000 Colar Place
Apopka, FL 32703
(407) 880-0058

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re; Seminole County - PW
Chuluota PWS ID #3590186
Lake Harriett PWS ID #3590699
Lake Brantley PWS ID #3590685
Harmony Homes PWS ID #3590497

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis third quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Don Corder
Area Supervisor

DC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
Sam Sparks
File

Serving the customers of the Citrus Springs, Deltona, Maitland, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sun City, and Venice Gardens utilities

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Sep20 1991

PO Number: B91052

PO Number Various
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Composite

Date Received:

Sep16 1991

Lab Number : 17811

REPORT OF ANALYSIS

Lake Brantley

Parameter	Unit	Method	%ACC	%PRC	17811
		Detection Limit			
Ethylene dibromide	mg/L	0.000005	109	.921	<0.000005
Para-dichlorobenzene	mg/L	0.001	96.5	4.20	<0.001
Vinyl chloride	mg/L	0.001	119	4.66	<0.001
1,1-dichloroethene	mg/L	0.001	119	4.66	<0.001
1,2-dichloroethane	mg/L	0.001	101	6.12	<0.001
1,1,1-trichloroethane	mg/L	0.001	111	5.87	<0.001
Carbon tetrachloride	mg/L	0.001	116	3.44	<0.001
Trichloroethene	mg/L	0.001	103	4.06	<0.001
Tetrachloroethene	mg/L	0.001	106	4.23	<0.001
Benzene	mg/L	0.001	110	.140	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

[Signature]
Jefferson S. Flowers Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers Ph.D.
Jefferson S. Flowers Ph.D.
451 NEWBURYPORT
P.O. BOX 150-597
ALLAMONT SPRINGS
FLORIDA 32715-0597
TEL 407 336-8084
FAX 407 336-0110

0907

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590695

Public Water System Name: Lake Brandley

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 17811

Sample Location (be specific): #1 Well - P/Side Site

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: Don Carter - Supervisor - 990-0059

ANALYSIS INFORMATION

Extraction Date: / /

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check ☐ Yes ☒ No)

(X) No

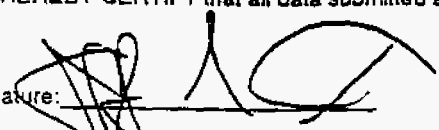
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Mail Results to the

Appropriate DER or ACPHU Office:

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 9/19/91

DER /ACPHU Reviewing Official:

PWSA.C1 Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17811	.00002	<.000005	EPA504.1	.000005	9/19/91
2969	Para-dichlorobenzene	17811	.075	<0.001	EPA502.2	0.001	9/16/91
2976	Vinyl chloride	17811	0.001	<0.001	EPA502.2	0.001	9/16/91
2977	1,1-dichloroethane	17811	0.007	<0.001	EPA502.2	0.001	9/16/91
2980	1,2-dichloroethane	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
2981	1,1,1-trichloroethane	17811	0.2	<0.001	EPA502.2	0.001	9/16/91
2982	Carbon tetrachloride	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
2984	Trichloroethene	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
2987	Tetrachloroethene	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
2990	Benzene	17811	0.001	<0.001	EPA502.2	0.001	9/16/91

Comments:



**CHEMIC.
LABORATOR
1855514**

**ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-880**

FOIA	Law	820118
FOIA	Law	82133
FOIA	Law	294
FOIA	Law	820118

(1) Client SSU		(2) Address 1000 COLOR PLACE APAKA, FL 32703		(3) Phone 880-0058																																																																																																																																																																
(4) Public Drinking Water ID #		(5) Public Water System Name:																																																																																																																																																																		
(6) Project #		(8) Public Water System Type																																																																																																																																																																		
(7) PWS# B91052		☒ Community ☐ Non-Community ☐ Special Non-Community																																																																																																																																																																		
<table border="1"> <thead> <tr> <th colspan="2">Preservative</th> <th colspan="5">Plastic Containers</th> <th colspan="5">Glass Containers</th> <th rowspan="2">NOTE:</th> </tr> <tr> <th>HClO₄</th> <th>ZnOAc/HAc</th> <th>60ml</th> <th>125ml</th> <th>250ml</th> <th>500ml</th> <th>1L</th> <th>Whirl Pac Bag</th> <th>40ml</th> <th>250ml</th> <th>500ml</th> <th>1L</th> <th>3L</th> <th>5L</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td rowspan="10"> (12) Turn Around Time: 10 Working Days : _____ 5 Working Days : _____ 3 Working Days : _____ 1 Working Day : _____ Other _____ </td> </tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>				Preservative		Plastic Containers					Glass Containers					NOTE:	HClO₄	ZnOAc/HAc	60ml	125ml	250ml	500ml	1L	Whirl Pac Bag	40ml	250ml	500ml	1L	3L	5L									X						(12) Turn Around Time: 10 Working Days : _____ 5 Working Days : _____ 3 Working Days : _____ 1 Working Day : _____ Other _____																																																																																																																							
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								X						(12) Turn Around Time: 10 Working Days : _____ 5 Working Days : _____ 3 Working Days : _____ 1 Working Day : _____ Other _____																																																																																																																																																						
(17) Kit Relinquished:				(17) Date	(9) Kit Received	(8) Date																																																																																																																																																														
(10) Parameter Group(s) Analyzed:				(17) Time	(9) Time																																																																																																																																																															
Organic Chemical Secondary Chemical Radiological Unregulated Organic Purgeable X																																																																																																																																																																				
Unregulated Organic Pesticide - Unregulated Base Neutral Extractable Unregulated Acid Extractable																																																																																																																																																																				

(18) Laboratory Number

(11) Chem Sample Identification

17811

#1 _____
#2 _____
#3 _____
#4 _____
#5 _____
#6 _____
#7 _____
#8 _____
#9 _____
#10 _____

(12) Collector's Signature:

(14) Transpondera Signature:

(15) ASD Associates By:

Donald B. Cooke
Donald B. Cooke

Date
9-16-91
9-16-91
9-16-91

Time
3:49

Over for numbered instructions.



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

December 18, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Seminole County Water Treatment Plants

Dear Ms. Carrasquillo:

Enclosed please find results for Fourth Quarter Volatile Organic Analysis for the following systems:

Chuluota	PWS ID # 3590186
Harmony Homes	PWS ID # 3590497
Lake Harriett	PWS ID # 3590699
Lake Brantley	PWS ID # 3590685

Please enter this information into your records.

Sincerely,

Donald B. Corder

Donald B. Corder
Area Supervisor

\csd

cc: Charles Sweat
Frank Sanderson
Jim Murray
Mel Fisher

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Dec13 1991

PO Number: 891052

PO Number Seminole

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Dec 5 1991

Lab Number : 18437

REPORT OF ANALYSIS

Lake Brantley

18437					
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	92.6	3.40	<0.000005
Para-dichlorobenzene	mg/L	0.001	94.3	.289	<0.001
Vinyl chloride	mg/L	0.001	90.8	1.15	<0.001
1,1-dichloroethene	mg/L	0.001	90.8	1.15	<0.001
1,2-dichloroethane	mg/L	0.001	97.2	3.22	<0.001
1,1,1-trichloroethane	mg/L	0.001	99.0	2.85	<0.001
Carbon tetrachloride	mg/L	0.001	92.9	2.10	<0.001
Trichloroethene	mg/L	0.001	98.2	3.55	<0.001
Tetrachloroethene	mg/L	0.001	84.4	5.99	<0.001
Benzene	mg/L	0.001	92.3	1.04	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

[Signature]
Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALDAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

0912

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590685
Public Water System Name: Lake Brantley
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 18437
Sample Location (be specific): Plant - 1-Well
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special
Sampler Name, Title Phone: Tim Johnson - Operator - 880-0058

ANALYSIS INFORMATION

Extraction Date: 1/1/91
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che) (X) No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 12/12/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER / ACPHU Reviewing Officer:

PWSA.01 Sample Interpretation (check one)
Effective 06/01/88 () Satisfactory () Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18437	.00002	<.000005	EPA504.1	.000005	12/12/91
2969	Para-dichlorobenzene	18437	.075	<0.001	EPA502.2	0.001	12/5/91
2976	Vinyl chloride	18437	0.001	<0.001	EPA502.2	0.001	12/5/91
2977	1,1-dichloroethene	18437	0.007	<0.001	EPA502.2	0.001	12/5/91
2980	1,2-dichloroethane	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2981	1,1,1-trichloroethane	18437	0.2	<0.001	EPA502.2	0.001	12/5/91
2982	Carbon tetrachloride	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2984	Trichloroethene	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2987	Tetrachloroethane	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2990	Benzene	18437	0.001	<0.001	EPA502.2	0.001	12/5/91

Comments:

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

FOER Lab 23015
FOHRS Lab 25138
NCECHNR Lab 298
SCCHEC Lab 30019

(1) Client S.S.U. Services		(2) Address % 1000 Cedar Place Appapa FL 32703		(3) Phone 880-0058 ext-147	
(4) Public Drinking Water ID #		(5) Public Water System Name: Composite see Below			
(6) Project # Seminole		(8) Public Water System Type			
ID# B91052		☒ Community ☐ Non-Community ☐ Special Non-Community			
Preservative		Plastic Containers		Glass Containers	
100ml		60ml		40ml	
250ml		125ml		250ml	
500ml		250ml		500ml	
1L		500ml		1L	
2L		1L		2L	
4L		2L		4L	
8L		4L		8L	
16L		8L		16L	
32L		16L		32L	
64L		32L		64L	
128L		64L		128L	
256L		128L		256L	
512L		256L		512L	
1024L		512L		1024L	
2048L		1024L		2048L	
4096L		2048L		4096L	
8192L		4096L		8192L	
16384L		8192L		16384L	
32768L		16384L		32768L	
65536L		32768L		65536L	
131072L		65536L		131072L	
262144L		131072L		262144L	
524288L		262144L		524288L	
1048576L		524288L		1048576L	
2097152L		1048576L		2097152L	
4194304L		2097152L		4194304L	
8388608L		4194304L		8388608L	
16777216L		8388608L		16777216L	
33554432L		16777216L		33554432L	
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536870912L		268435456L		536870912L	
1073741824L		536870912L		1073741824L	
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4294967296L		2147483648L		4294967296L	
8589934592L		4294967296L		8589934592L	
17179869184L		8589934592L		17179869184L	
34359738368L		17179869184L		34359738368L	
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10633823966279326983172810407010107					

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

REC'D ONLY
Dec 4 2 10 PM '91
BY: D. KAZANIS
12/5

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: LK BRANTLEY SYSTEM I.D. NO: 3590683 SYSTEM PHONE #: 920-CC-77
ADDRESS: 11111111111111111111 CITY: Public Water DISTRICT: CIA TANK
COLLECTOR: PARAN P. COAD COLLECTOR PHONE #: 920-CC-77
SAMPLE SITE (Locality or Subdivision): 11111111111111111111
DATE AND TIME COLLECTED: 9/11/91 12:45
TYPE OF SUPPLY (Circle one): ☒ Community water system ☐ Noncommunity water system ☐ Nontransient - noncommunity water system
☐ Private well ☐ Swimming pool ☐ Bottled water ☐ Other public water system
TYPE OF SAMPLE (Circle one): ☒ Routine ☐ Repeat ☐ Replacement ☐ Main clearance ☐ Well survey ☐ Other (Specify)
☐ Distribution ☐ TNTC or C ☐ Turbid
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	ANALYSIS METHOD: MP, NTF	MMO-MUG	PA	CONFIRM TOTAL	CONFIRM FECAL
1	WELL #1	0.0	6.9	0.56	A			
2	FAIRVIEW TANK	1.3	7.2	0.56	A			
3	7650 AZALEA	0.6	7.2	0.56	A			
4	7610 1 TANK	0.6	7.2	0.56	A			

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.
P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNTC - Too numerous to count
INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT
11111111111111111111
REVIEWING OFFICIAL: JK
TITLE: DR

11111 Form 685, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 910-000-000-1)

Lake Conway Park - 104

Orange County (SSU)

Water

- 1992 FPSC Filing -

Lake Conway

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	10/89
Organic	10/89
Volatile Organic Chemicals	3/91
	6/91
	*
	*
Turbidity	10/89
Microbiological	12/91
Radionuclide	11/90
Secondary Contaminants	10/89
Unregulated Contaminants	3/91

- * The Lake Conway plant was taken off line and interconnected with Orlando Utilities Commission August, 1991.



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 23, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32807-3767

Re: Drinking Water Compliance Analysis
for Lake Conway Water Treatment Plant
ID #3480689

Dear Ms. Carrasquillo,

Please find enclosed for your records, Volatile Organics and Unregulated Contaminants analysis for the Lake Conway water system wells #1 and #2.

The results are a combined analysis of three (3) other Orange County wells as listed on the analysis report.

Your cooperation and assistance as always, is greatly appreciated.

Sincerely,

SSU Services

Sam Sparks
Division Supervisor

SS/jlm

cc: Charles Sweat
Mel Fisher
Clara Dozier
Ralph Terrero
File



Received From:

 SSU
 1000 Color Place
 Apopka, FL 32703

Date Reported: Mar 26 1991

PO Number: B91045

 PO Number
 FDHRS Lab# : 83139
 FDER Lab# : E83018
 NCDEHNR Lab# : 296
 SCDHEC Lab# : 96019

 For: Daywayler/LK.Conway/Holiday Mnts
 Date Received: Mar 4 1991

Lab Number : 16408

REPORT OF ANALYSIS

					16408
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	115	2.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	113	2.66	<0.001
Vinyl chloride	mg/L	0.001	107	2.56	<0.001
1,1-dichloroethene	mg/L	0.001	107	2.56	<0.001
1,1,2-dichloroethane	mg/L	0.001	113	2.98	<0.001
1,1,1-trichloroethane	mg/L	0.001	104	2.74	<0.001
Carbon tetrachloride	mg/L	0.001	104	2.12	<0.001
Trichloroethene	mg/L	0.001	113	3.083	<0.001
Tetrachloroethene	mg/L	0.001	113	3.592	<0.001
Benzene	mg/L	0.001	99.2	3.116	<0.001
Chloromethane	mg/L	0.001	109	3.669	<0.001
Dichlorodifluorometh	mg/L	0.001	104	2.13	<0.001
Bromomethane	mg/L	0.001	109	3.669	<0.001
Chloroethane	mg/L	0.001	107	2.56	<0.001
Trichlorofluorometha	mg/L	0.001	104	2.12	<0.001
trans-1,2-dichlorop	mg/L	0.001	115	6.22	<0.001
cis-1,2-dichloroprop	mg/L	0.001	113	11.0	<0.001
Methyl-tert-butyleth	mg/L	0.001	106	3.005	<0.001
cis-1,2-dichloroethe	mg/L	0.001	113	11.0	<0.001
Dibromomethane	mg/L	0.001	109	3.669	<0.001
1,1-dichloropropene	mg/L	0.001	109	4.17	<0.001
1,3-dichloropropane	mg/L	0.001	115	6.22	<0.001
1,2,3-trichloropropane	mg/L	0.001	111	3.68	<0.001
2,2-dichloropropane	mg/L	0.001	107	2.56	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	111	3.68	<0.001
Chloroform	mg/L	0.001	103	3.04	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
 Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jeffrey S. Flowers, Ph.D.
 Director

Jeffrey S. Flowers, Ph.D.
 Jeffrey S. Flowers, Ph.D.
 481 NEWBURYPORT
 P.O. BOX 150-597
 ALTAMONTE SPRINGS
 FLORIDA 32715-0597
 BUS 407 109-4996
 FAX 407 109-4996

PO Number: B91045

FOHRS	Lab#	:	33139
FDEF	Lab#	:	EE3018
NOCEMR	Lab#	:	296
BODHEC	Lab#	:	96019

Lab Number : 16408

REPORT OF ANALYSIS

Parameter	Unit	Method	WAO	WFO	16408
		Detection			
		Limit			
Benzenform	mg/L	0.001	117	7.51	10.001
1,4-dimethylbenzene	mg/L	0.001	120	7.94	10.001
1,3-dimethylbenzene	mg/L	0.001	115	7.15	10.001
o-xylene	mg/L	0.001	104	6.71	10.001
m-xylene	mg/L	0.001	114	7.25	10.001
p-chlorotoluene	mg/L	0.001	117	7.51	10.001
m-chlorotoluene	mg/L	0.001	115	7.31	10.001
1,4-dichlorobenzene	mg/L	0.001	117	7.51	10.001
1,3-dichlorobenzene	mg/L	0.001	104	6.71	10.001
1,1,2-trichlorobenzene	mg/L	0.001	111	7.09	10.001
trans-1,2-dichloroeth	mg/L	0.001	114	7.25	10.001
1,2-dichloroethane	mg/L	0.001	114	7.25	10.001
1,1,2-trichloroethane	mg/L	0.001	111	7.09	10.001
1,1,1,2-tetrachloride	mg/L	0.001	114	7.25	10.001
1,1,1,2-tetrachloride	mg/L	0.001	111	7.09	10.001
Chlorobenzene	mg/L	0.001	117	7.51	10.001
Benzene	mg/L	0.001	104	6.71	10.001
Ethylbenzene	mg/L	0.001	115	7.31	10.001
Bromobenzene	mg/L	0.001	115	7.31	10.001
m-xylene	mg/L	0.001	114	7.25	10.001
Ethylene	mg/L	0.001	104	6.71	10.001
o-xylene	mg/L	0.001	104	6.71	10.001
Calcium	mg/L	0.000001	14.3	1.37	0.000001
Sulfate	mg/L	0.001	101	6.43	10.001
Ammonia	mg/L	0.001	117	7.51	10.001
Fluoride	mg/L	0.00001	103	6.67	0.00001

Data Release Authority: 2501

Sample integrity and reliability certified by LSC personnel prior to analysis.
 Analysis of samples in accordance with 40, 41 and EPA approved methodology.

SECRET

Jaffarson L. Flowers, Ph.D.
Jaffarson & Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 450-597
ALAMONTE SPRING
FLORIDA 32715-0597
BUS 407 229-4334
HOM 407 229-4334

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Mar 26 1991

PO Number: B91045

PO Number

FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Datwaylen/Lk.Conway/Holiday Hgts.

Date Received:

Mar 4 1991

Lab Number : 16408

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	16408
					Detection Limit
Dinoseb	mg/L	0.00001	118	12.0	<0.00001
Aldicarb sulfoxide	mg/L	0.002	83.9	.000	<0.002
Aldicarb sulfone	mg/L	0.002	100	15.1	<0.002
Metolachlor	mg/L	0.0005	104	3.42	<0.0005
Carbofuran	mg/L	0.001	100	5.84	<0.001
Aldicarb	mg/L	0.002	92.0	5.71	<0.002
Atrazine	mg/L	0.002	101	1.01	<0.002
Alachlor (Lasso)	mg/L	0.0002	99.5	3.53	<0.0002
Heptachlor	mg/L	0.000005	99.3	2.71	<0.000005
Aldrin	mg/L	0.00007	110	1.02	<0.00007
Dieldrin	mg/L	0.00001	91.5	.773	<0.00001
Dicamba	mg/L	0.00001	101	5.24	<0.00001
Chlorodane	mg/L	0.00001	100	3.29	<0.00001
Pentachlorodiphenol	mg/L	0.005	104	2.99	<0.005
Hexachlorocyclopenta	mg/L	0.001	104	7.52	<0.001
Dioxin	mg/L	0.00001	97.9	3.61	<0.00001
Isophorone	mg/L	0.001	99.2	19.0	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.0	.857	<0.001
Dimethylphthalate	mg/L	0.001	97.2	.582	<0.001
Diethylphthalate	mg/L	0.001	97.4	11.9	<0.001
Di-n-butylphthalate	mg/L	0.001	101	0.9	<0.001
Butyl benzyl phthala	mg/L	0.001	96.4	3.01	<0.001
Bis(2-ethylhexyl)ont	mg/L	0.001	101	4.22	<0.001
1,2,4-trichlorobenze	mg/L	0.001	97.4	13.1	<0.001
PCB_101s	mg/L	0.0001	97.7	2.75	<0.0001
PCB_122i	mg/L	0.0001	99.0	2.30	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jeffrey S. Flowers, Ph.D.
Technical Director

Jeffrey S. Flowers, Ph.D.
Jeffrey S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLAMONTE SPRINGS
FLORIDA 32715-0597
PLS. CALL 1-800-458-884
OR 1-904-256-1111

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Mar 26 1991

PD Number: B91045

PD Number

FDRS Lab# : 83139
FDRS Lab# : E83018
NCDEHNR Lab# : 296
JCOHEC Lab# : 96019

For: Datwaylan/LX, Conway/Holiday Hgts.

Data Received:

Mar 4 1991

Lab Number : 16408

REPORT OF ANALYSIS

Parameter	Unit	Method	MASS	XPRC	16408
		Detection			
		Limit			
PCB_1222	mg/L	0.0001	102	1.36	10.0001
PCB_1242	mg/L	0.0001	101	1.09	10.0001
PCB_1248	mg/L	0.0001	104	2.31	10.0001
PCB_1054	mg/L	0.0001	105	1.75	10.0001
PCB_1250	mg/L	0.0001	101	1.55	10.0001
Dibutyltin dilaurate	mg/L	0.001	107	1.05	10.0001
2-chlorophenol	mg/L	0.001	108	1.00	10.0001
2-methoxy-4-chlorophenol	mg/L	0.001	109	0.49	10.0001
Phenol	mg/L	0.001	110	1.00	10.0001
1,1-dichloro-2,2-dimethyl-2-phenylpropane	mg/L	0.001	111	1.75	10.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL 16 and EPA approved methodology.

Jeffrey S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jeffrey S. Flowers, Ph.D.
Jeffrey S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
905-427-1364
905-427-1365

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3480689
Public Water System Name: Little Community Orange Co.
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 16408
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special
Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 3/17/91
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check one) Yes ☐ No ☒
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 3/26/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16408	.00002	<.000005	EPA504.1	.000005	3/22/91
2969	Para-dichlorobenzene	16408	.075	<0.001	EPA502.2	0.001	3/17/91
2976	Vinyl chloride	16408	0.001	<0.001	EPA502.2	0.001	3/17/91
2977	1,1-dichloroethane	16408	0.007	<0.001	EPA502.2	0.001	3/17/91
2980	1,2-dichloroethane	16408	0.003	<0.001	EPA502.2	0.001	3/17/91
2981	1,1,1-trichloroethane	16408	0.2	<0.001	EPA502.2	0.001	3/17/91
2982	Carbon tetrachloride	16408	0.003	<0.001	EPA502.2	0.001	3/17/91
2984	Trichloroethene	16408	0.003	<0.001	EPA502.2	0.001	3/17/91
2987	Tetrachloroethene	16408	0.003	<0.001	EPA502.2	0.001	3/17/91
2990	Benzene	16408	0.001	<0.001	EPA502.2	0.001	3/17/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2212	Dichlorodifluoromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2214	Bromomethane	16408		<0.001	EPA502.2	0.001	3/17/91
2216	Chloroethane	16408		<0.001	EPA502.2	0.001	3/17/91
2218	Trichlorofluoromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2224	trans-1,3-dichloropropene	16408		<0.001	EPA502.2	0.001	3/17/91
2228	cis-1,3-dichloropropene	16408		<0.001	EPA502.2	0.001	3/17/91
2251	Methyl-tert-butylether	16408		<0.001	EPA502.2	0.001	3/17/91
2380	cis-1,2-dichloroethene	16408		<0.001	EPA502.2	0.001	3/17/91
2408	Dibromomethane	16408		<0.001	EPA502.2	0.001	3/17/91
2410	1,1-dichloropropene	16408		<0.001	EPA502.2	0.001	3/17/91
2412	1,3-dichloropropane	16408		<0.001	EPA502.2	0.001	3/17/91
2414	1,2,3-trichloropropane	16408		<0.001	EPA502.2	0.001	3/17/91
2416	2,2-dichloropropane	16408		<0.001	EPA502.2	0.001	3/17/91
2931	1,2-dibromo-3-chloropropane	16408		<0.001	EPA502.2	0.001	3/17/91
2941	Chloroform	16408		<0.001	EPA502.2	0.001	3/17/91
2942	Bromoform	16408		<0.001	EPA502.2	0.001	3/17/91
2943	Bromodichloromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2944	Dibromochloromethane	16408		<0.001	EPA502.2	0.001	3/17/91
2962	p-xylene	16408		<0.001	EPA502.2	0.001	3/17/91
2964	Methylene chloride	16408		<0.001	EPA502.2	0.001	3/17/91
2965	o-chlorotoluene	16408		<0.001	EPA502.2	0.001	3/17/91
2966	p-chlorotoluene	16408		<0.001	EPA502.2	0.001	3/17/91
2967	m-dichlorobenzene	16408		<0.001	EPA502.2	0.001	3/17/91
2968	o-dichlorobenzene	16408		<0.001	EPA502.2	0.001	3/17/91
2978	1,1-dichloroethane	16408		<0.001	EPA502.2	0.001	3/17/91
2979	trans-1,2-dichloroethyl	16408		<0.001	EPA502.2	0.001	3/17/91
2983	1,2-dichloropropane	16408		<0.001	EPA502.2	0.001	3/17/91

2985	1,1,2-trichloroethane	16408	<0.001	EPA502.2	0.001	3/17/91
2986	1,1,1,2-tetrachloroethane	16408	<0.001	EPA502.2	0.001	3/17/91
2988	1,1,2,2-tetrachloroethane	16408	<0.001	EPA502.2	0.001	3/17/91
2989	Chlorobenzene	16408	<0.001	EPA502.2	0.001	3/17/91
2991	Toluene	16408	<0.001	EPA502.2	0.001	3/17/91
2992	Ethylbenzene	16408	<0.001	EPA502.2	0.001	3/17/91
2993	Bromobenzene	16408	<0.001	EPA502.2	0.001	3/17/91
2995	m-xylene	16408	<0.001	EPA502.2	0.001	3/17/91
2996	Styrene	16408	<0.001	EPA502.2	0.001	3/17/91
2997	o-xylene	16408	<0.001	EPA502.2	0.001	3/17/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16408		<.000001	EPA515	.000001	3/18/91
2036	Oxamyl (Vydate)	16408		<0.002	EPA531	0.002	3/14/91
2037	Simazine	16408		<0.007	EPA505	0.007	3/18/91
2040	Picloram	16408		<0.00007	EPA515	0.00007	3/18/91
2041	Dinoseb	16408		<0.00001	EPA515	0.00001	3/18/91
2043	Aldicarb sulfoxide	16408		<0.002	EPA531	0.002	3/14/91
2044	Aldicarb sulfone	16408		<0.002	EPA531	0.002	3/14/91
2045	Metolachlor	16408		<0.0005	EPA505	0.0005	3/18/91
2046	Carbofuran	16408		<0.001	EPA531	0.001	3/14/91
2047	Aldicarb	16408		<0.002	EPA531	0.002	3/14/91
2050	Atrazine	16408		<0.002	EPA505	0.002	3/18/91
2051	Alachlor (Lasso)	16408		<0.0002	EPA505	0.0002	3/18/91
2065	Heptachlor	16408		<.000005	EPA508	.000005	3/15/91
2356	Aldrin	16408		<0.00007	EPA508	0.00007	3/15/91
2364	Dieldrin	16408		<0.00001	EPA508	0.00001	3/15/91
2440	Dicamba	16408		<0.00001	EPA515	0.00001	3/15/91
2959	Chlordane	16408		<0.00001	EPA508	0.00001	3/15/91
9114	Pentachlorophenol	16408		<0.005	EPA515	0.005	3/15/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16408		<0.001	EPA508	0.001	3/15/91
2063	Dioxin	16408		<0.00001	EPA613	0.00001	3/15/91
2262	Isophorone	16408		<0.001	EPA609	0.001	3/22/91
2270	2,4-dinitrotoluene	16408		<0.001	EPA608	0.001	3/22/91
2282	Dimethylphthalate	16408		<0.001	EPA606	0.001	3/22/91
2284	Diethylphthalate	16408		<0.001	EPA606	0.001	3/22/91
2290	Di-n-butylphthalate	16408		<0.001	EPA606	0.001	3/22/91
2294	Butyl benzyl phthalate	16408		<0.001	EPA606	0.001	3/22/91

2298	Bis(2-ethylhexyl)phthalate	16408	<0.001	EPA606	0.001	3/22/91
2378	1,2,4-trichlorobenzene	16408	<0.001	EPA612	0.001	3/22/91
2388	PCB-1016	16408	<0.0001	EPA505	0.0001	3/15/91
2390	PCB-1221	16408	<0.0001	EPA505	0.0001	3/15/91
2392	PCB-1232	16408	<0.0001	EPA505	0.0001	3/15/91
2394	PCB-1242	16408	<0.0001	EPA505	0.0001	3/15/91
2396	PCB-1248	16408	<0.0001	EPA505	0.0001	3/15/91
2398	PCB-1254	16408	<0.0001	EPA505	0.0001	3/15/91
2400	PCB-1260	16408	<0.0001	EPA505	0.0001	3/15/91
9089	Diethylphthalate	16408	<0.001	EPA608	0.001	3/22/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16408		<0.001	EPA604	0.001	3/22/91
9112	2-methyl-4,6-dinitrophenol	16408		<0.001	EPA604	0.001	3/22/91
9115	Phenol	16408		<0.001	EPA604	0.001	3/22/91
9116	2,4,6-trichlorophenol	16408		<0.001	EPA604	0.001	3/22/91

Comments:

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATEDANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

CLIENT: Sum Sparks
SSU

ADDRESS: 1000 Colon Place
Apopka, FL 32703

PHONE: 880-0058x168

PROJECT NAME: B91045

REQUIRED: ☐ Urgent ☐ Routine

DATE: _____

Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES:
	HNO ₃	H ₂ SO ₄	HCl	Na ₂ S ₂ O ₃	Zn(C ₂ H ₃ O ₂)/NaOH	NaOH/Acetic Acid	60mL	125mL	250mL	500mL	1L	2L	Whit-Pak Bag	40mL Vial	250mL	500mL	1L	2L	
QTY																			
8														X					
1																		X	

Kit Relinquished: 7/7

Date: _____ Time: _____

Kit Received: _____

Date: _____ Time: _____

Parameters: Proc Unseg

Laboratory Number: #105

Client Identification/Description: Detectives

16408

#104

211 Penway

	Date	Time
Sample Collection	<u>Bill Hendel</u>	<u>3/3/91</u>
Transportation	<u>Bill Hendel</u>	<u>3/4/91</u>
Lab Acceptance	<u>[Signature]</u>	<u>3/4/91</u>

Page _____ of _____

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.451 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32718-0597
BUS 407 330-5984
FAX 407 330-5984



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

June 3, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Orange County PW
Holiday Heights PWS ID #3480547
Daetwyler PWS ID #3480265
Lake Conway PWS ID #3480699

Dear Ms. Carrasquillo,

Please find enclosed results for Volatile Organic Analysis second quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder
Division Supervisor

DBC/jlm

cc: Charles Sweat
Clara Dozier
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Plaza
Apopka, FL 32703

Date Reported: Jun11 1991

PO Number: 891045

PO Number: SSU

FDHRS Lab# : 83139
FOER Lab# : 883018
NCDENR Lab# : 296
SCDHED Lab# : 96019

Soil: COMB. SAMPLE

Date Received:

Jun 6 1991

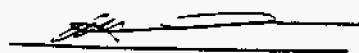
Lab Number : 17109

REPORT OF ANALYSIS

Parameter	Unit	Method	MAED	MPC	17109
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	95.4	3.91	<0.000005
Paradichlorobenzene	mg/L	0.001	104	1.587	<0.001
Chlorobenzene	mg/L	0.001	112	7.56	<0.001
1,1-Dichloroethene	mg/L	0.001	112	7.56	<0.001
1,2-Dichloroethane	mg/L	0.001	107	1.89	<0.001
1,1,1-Trichloroethane	mg/L	0.001	110	1.681	<0.001
Carbon tetrachloride	mg/L	0.001	110	1.06	<0.001
Trichloroethene	mg/L	0.001	111	1.709	<0.001
Tetrachloroethene	mg/L	0.001	107	1.740	<0.001
Benzene	mg/L	0.001	105	1.266	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodologies.


Andrew Harrison
Laboratory Manager

Page 1 of 1

Andrew L. Flowers, Ph.D.
Andrew L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5084
FAX (407) 260-6110

0930

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3480689
Public Water System Name: Lake County
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___X___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17109
Sample Location (be specific): #1 & #2 Wells
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special End of VOC
Sampler Name, Title Phone: William Trendel

ANALYSIS INFORMATION

Extraction Date: ___/___/___
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
Unregulated Organic Purgable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: [Signature]

Name: Andrew B. Harrison Mail Results to the
Title: Laboratory Manager Appropriate DER or ACPHU Office:
Laboratory: Flowers Chemical Laboratories, Inc.
Date: 6/10/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17109	.00002	<.000005	EPA504.1	.000005	6/7/91
2969	Para-dichlorobenzene	17109	.075	<0.001	EPA502.2	0.001	6/7/91
2976	Vinyl chloride	17109	0.001	<0.001	EPA502.2	0.001	6/7/91
2977	1,1-dichloroethene	17109	0.007	<0.001	EPA502.2	0.001	6/7/91
2980	1,2-dichloroethane	17109	0.003	<0.001	EPA502.2	0.001	6/7/91
2981	1,1,1-trichloroethane	17109	0.2	<0.001	EPA502.2	0.001	6/7/91
2982	Carbon tetrachloride	17109	0.003	<0.001	EPA502.2	0.001	6/7/91
2984	Trichloroethene	17109	0.003	<0.001	EPA502.2	0.001	6/7/91
2987	Tetrachloroethene	17109	0.003	<0.001	EPA502.2	0.001	6/7/91
2990	Benzene	17109	0.001	<0.001	EPA502.2	0.001	6/7/91

Comments:

FORM Lab 20010
FORM Lab 20120
MCDERMOTT Lab 200
SCHEIC Lab 20010

ANALYTICAL & CONSULTING CHEMISTS
CHARTER OF CUSTODY RECORD
DRINKING WATER 17-850

Att: Sam Sparks

(1) Client <u>SSU</u>		(2) Address <u>1000 Coleridge, Apollo, AL 32703</u>		(3) Phone <u>880-0058</u>	
(4) Public Drinking Water ID #		(5) Public Water System Name: <u>Lake Conway</u>			
(6) Project #		(7) Public Water System Type			
(8) POB <u>B91045</u>		(9) Community () Non-Community () Special Non-Community			

	Preservative	Plastic Containers					Glass Containers					NOTES:	
		100ml	125ml	250ml	500ml	1L	400ml	250ml	500ml	1L	2L		4L
12	HNO3												Turn Around Time: 10 Working Days: 5 Working Days: 3 Working Days: 1 Working Day: Other: <u>Orange Co.</u> <u>Lake Conway 2 wells</u> <u>PLZ comp</u>
	ZnOAC/HNO3												

(10) Kit Relinquished: <u>[Signature]</u>	(11) Date: <u>5-24</u>	(12) Kit Received	(13) Date
(14) Time			(15) Time

1) SAMPLE INFORMATION; SAMPLE DATE: MONTH _____ DATE _____ YEAR _____
 SAMPLE TYPE (check all applicable); () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 () raw, () well, () resample _____, () special _____
 SAMPLER'S NAME: Bill Trendel TITLE: oper. i PHONE: _____
 SAMPLER'S SIGNATURE: [Signature]
 NOTES:

(No Air Bubbles
Keep Cold)

2) Parameter Group(s) Analyzed: Turbidity Inorganic Chloromethane Volatile Organic
Organic Chemical Secondary Chemical Radiochemical Unregulated Organic Purgable
Unregulated Organic Pesticide Unregulated Base Neutral Extractable Unregulated Acid Extractable

Laboratory Number	Client Sample Identification	Date	Time
17109	01 <u>Lake Conway Well 1</u> <u>4/3</u> <u>3:00</u>	<u>4/3-4-5</u>	<u>10:10 AM</u>
	02 <u>Lake Conway Well 1</u> <u>4/4</u> <u>1:45</u>		
	03 <u>Lake Conway Well 1</u> <u>4/5</u> <u>4:00</u>		
	04 <u>Lake Conway Well 2</u> <u>4/3</u> <u>3:00</u>		
	05 <u>Lake Conway Well 2</u> <u>4/4</u> <u>1:45</u>		
	06 <u>Lake Conway Well 2</u> <u>4/5</u> <u>4:00</u>		
	07 <u>Duckwater Well 1</u> <u>4/3</u> <u>3:30</u>		
	08 <u>Duckwater Well 1</u> <u>4/4</u> <u>2:30</u>		
	09 <u>Duckwater Well 1</u> <u>4/5</u> <u>3:30</u>		
	10 <u>Duckwater Well 2</u> <u>4/3</u> <u>3:30</u>		

6) Collector's Signature: [Signature]
 7) Transporter's Signature: [Signature]
 8) Lab Acceptance By: Ronald A. Schuck

OVER FOR INSTRUCTIONS FOR COMPLETION



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-11-317

Date Received: 11/26/90

Date Reported: 12/08/90

OLI Contact: E_HOBBS

Work ID: Lake Conway, Daetwyler
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Lake Conway

02 Daetwyler

TEST CODES and NAMES used on this report
PWS033 Radiological Analysis

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

[Signature]
Acting
LABORATORY DIRECTOR

Dedicated To Excellence

[Signature]
Eric Malarek
QUALITY CONTROL

(407) 896-6645

(800) 825-8320

FAX (407) 898-6586

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3480129
 Public Water System Name: Large Community
 Public Water System Type (check one):
 ☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Radiological Analysis

Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 11/26/90
 Laboratory Sample Number: 90-11-317
 Sample Location: _____
 Sample Type (check all applicable):
 ☐ Check ☐ Regular Distribution ☐ Composite
 ☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
 ☐ Raw ☐ Well ☐ Re-sample
 ☐ Special _____
 Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): N/A
 Laboratory Contact: Eric Malarek
 Re-sample Requested? (check one): ☐ Yes ☐ No
 ANALYSES SUBMITTED: Turbidity__ ; Inorganic__ ; Trihalomethane__ ;
 Volatile Organic__ ; Organic Chemical__ ; Secondary Chemical__ ;
 Radiological__ ; Unregulated Organic Purgeable__ ; Unregulated
 Organic Pesticides__ ; Unregulated Base Neutral Extractable__ ;
 Unregulated Acid Extractable__ ; (Check all analyses which apply.)

I do HEARBY CERTIFY that all data submitted is correct.

Signature Eric Malarek
 Name Eric Malarek
 Title Quality Control Officer
 Laboratory Orlando Laboratories, Inc.
 Date 12/8/90

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
Received: 11/26/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-11-317

SAMPLE ID Lake Conway
DATE COLLECTED 11/26/90 09:30:00
TEST NAME Radiological Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310(S)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result (pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u><0.5</u>	<u>EPA 900.0</u>	<u>+/- 1.6</u>	<u>12/03/90</u>
4006 Total Uranium	_____	<u>N/A</u>	_____	_____	_____
4010 Total Radium	_____	<u>N/A</u>	_____	_____	_____
4020 Radium-226	_____	<u>N/A</u>	_____	_____	_____
4030 Radium-228	_____	<u>N/A</u>	_____	_____	_____
4100 Gross Beta	_____	<u>N/A</u>	_____	_____	_____

Comments:

ORLANDO LABORATORIES, INC.
Received: 11/26/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-11-317

SAMPLE ID Daetwyler
DATE COLLECTED 11/26/90 10:00:00
TEST NAME Radiological Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u>0.7</u>	<u>EPA 900.0</u>	<u>+/- 2.0</u>	<u>12/03/90</u>
4006 Total Uranium	_____	<u>N/A</u>	_____	_____	_____
4010 Total Radium	_____	<u>N/A</u>	_____	_____	_____
4020 Radium-226	_____	<u>N/A</u>	_____	_____	_____
4030 Radium-228	_____	<u>N/A</u>	_____	_____	_____
4100 Gross Beta	_____	<u>N/A</u>	_____	_____	<u>--</u>

Comments:

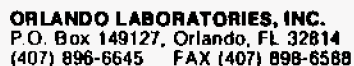
Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-11-317
Page: 4

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES -DIFFERENCE</u>	<u>SPIKES % RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Gross Alpha	0.1	108	12/03/90	JAB

End of Report



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page _____ of _____

[illegible]

0939

Serving Florida Since 1960

Southern States

Utilities, Inc.

1000 COLOR PLACE
APOPKA, FLORIDA 32703

TELEPHONE 407-880-0100
TOLL FREE 1-800-432-4501

November 17, 1989

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803

Re: Lake Conway Water Plant, Orange County, ID# 3480689

Dear Ms. Carrasquillo

Please find attached results for the Primary Organics, Inorganics,
Secondary Chemicals and Turbidity analysis for the above plant.
Please enter these in your records.

Thank you for your cooperation.

Sincerely,
SOUTHERN STATES UTILITIES, INC.



Sam Sparks,
Area Supervisor

SS/cd

cc: Aaron Perlowich
file

enclosure (s)



ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 89-10-217
Date Received: 10/23/89
Date Reported: 11/14/89
OLI Contact: E_HOBBS

Work ID: Lake Conway
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Lake Conway
02 Method Blank

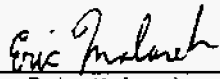
TEST CODES and NAMES used on this report

608R DER 17-550 Reg. Pest 608s
615R DER 17-550 Reg. Pest 615s
DERPDM 17-550 Primary Metals Only
DERPDW 17-550 Primary WetChem
DERSDM DER 17-5 Secondary Metals
DERSDW DER 17-5 Secondary Wet Chm
DERTRE 17-550 Turbidity Analysis

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141. Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Victor Kowalski
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

The Analytical Specialists

ORLANDO LABORATORIES, INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-217

SAMPLE ID Lake Conway
DATE COLLECTED 10/23/89 10:15:00
TEST NAME DER 17-550 Reg. Pest 608s

SAMPLE# 01C
MATRIX WATER
TEST CODE 608R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB
DATE EXTRACTED 10/23/89
DATE RUN 10/24/89
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a)
(PWS029)

Parameter ID Name	Analysis Result	Det. Lt. Used
2005 Endrin	<u>0.10 U</u>	0.10
2010 Lindane	<u>0.05 U</u>	0.05
2015 Methoxychlor	<u>0.50 U</u>	0.50
2020 Toxaphene	<u>1.00 U</u>	1.00

ORLANDO LABORATORIES, INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-217

SAMPLE ID Lake Conway
DATE COLLECTED 10/23/89 10:15:00
TEST NAME DER 17-550 Reg. Pest 615s

SAMPLE# 01C
MATRIX WATER
TEST CODE 615R

SAMPLE TYPE WATER DATE EXTRACTED 10/26/89
UNITS ug/l DATE RUN 10/27/89
ANALYST JHW DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (b)
(PMS029)

Parameter	Analysis	Det. Lt.
ID Name	Result	
2105 2,4-D	<u>2.00 U</u>	2.0
2110 2,4,5-TP (Silvex)	<u>1.00 U</u>	1.0

ORLANDO LABORATORIES, INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-217

SAMPLE ID Lake Conway
DATE COLLECTED 10/23/89 10:15:00
TEST NAME 17-550 Primary Metals Only

SAMPLE# 01A
MATRIX WATER
TEST CODE DERPDM

(METALS)
INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Analysis Result (ng/l)	Method	Det.Lt. (ng/l)	Analysis Date
1005 Arsenic	<0.010	EPA206.2	0.010	11/12/89
1010 Barium	<0.100	EPA200.7	0.100	11/07/89
1015 Cadmium	<0.005	EPA213.2	0.005	11/07/89
1020 Chromium	<0.010	EPA218.2	0.010	11/07/89
1030 Lead	<0.010	EPA239.2	0.010	11/06/89
1035 Mercury	<0.0005	EPA245.1	0.0005	11/01/89
1045 Selenium	<0.005	EPA270.2	0.005	11/06/89
1050 Silver	<0.010	EPA272.2	0.010	11/08/89
1052 Sodium	11.2	EPA200.7	0.001	11/07/89

ORLANDO LABORATORIES, INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-217

SAMPLE ID Lake Conway
DATE COLLECTED 10/23/89 10:15:00
TEST NAME 17-550 Primary WetChem

SAMPLE# 01A
MATRIX WATER
TEST CODE DERPDW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.310(1)
(PWS030)

Parameter	Analysis		Det.Lt.	Analysis
ID Name	Result(mg/l)	Method	(mg/l)	Date
1025 Fluoride	0.2	EPA340.2	0.1	10/30/89
1040 Nitrate (as N)	<0.03	EPA353.2	0.03	11/05/89

ORLANDO LABORATORIES, INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-217

SAMPLE ID Lake Conway
DATE COLLECTED 10/23/89 10:15:00
TEST NAME DER 17-5 Secondary Metals

SAMPLE# 01B
MATRIX WATER
TEST CODE DESDM

(METALS)
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter	Analysis		Det.Lt.	Analysis
ID Name	Result(mg/l)	Method	(mg/l)	Date
1022 Copper	<u>0.254</u>	EPA200.7	0.010	<u>11/07/89</u>
1028 Iron	<u><0.100</u>	EPA200.7	0.1	<u>11/07/89</u>
1032 Manganese	<u><0.050</u>	EPA200.7	0.050	<u>11/07/89</u>
1095 Zinc	<u><0.050</u>	EPA200.7	0.050	<u>11/07/89</u>
1919 Calcium Hardness	<u>92.0</u>	EPA200.7	2.5	<u>11/07/89</u>

ORLANDO LABORATORIES, INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-217

SAMPLE ID Lake Conway
DATE COLLECTED 10/23/89 10:15:00
TEST NAME DER 17-5 Secondary Met Chn

SAMPLE# 01B
MATRIX WATER
TEST CODE DERSDW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter	Analysis		Det.Lt.	Analysis
ID Name	Result(mg/l)	Method	(mg/l)	Date
1017 Chloride	<u>26</u>	SM 407	1.0	<u>10/26/89</u>
1025 Fluoride	<u>0.2</u>	EPA340.2	0.1	<u>10/26/89</u>
1055 Sulfate	<u><1.0</u>	EPA375.4	1.0	<u>10/28/89</u>
1901 Carbon Dioxide	<u><1.0</u>	SM 406 C	1.0	<u>11/10/89</u>
1905 Color	<u>5</u>	SM 204 A	5PCU	<u>10/24/89</u>
1920 Odor Threshold	<u>2</u>	EPA140.1	1TDN	<u>10/24/89</u>
1930 Total Dissolved Solids	<u>140</u>	EPA160.1	1.0	<u>11/07/89</u>
1927 Total Alkalinity	<u>100</u>	EPA310.1	2.0	<u>10/24/89</u>
1997 Langelier Index pHs	<u>7.84</u>	CALC.	N/A	<u>11/10/89</u>
1998 Langelier Sat. Index	<u>-0.02</u>	CALC.	N/A	<u>11/10/89</u>
2909 Foaming Agents	<u><0.1</u>	EPA425.1	0.1	<u>11/08/89</u>

ORLANDO LABORATORIES, INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-217

SAMPLE ID Lake Conway
DATE COLLECTED 10/23/89 10:15:00
TEST NAME 17-550 Turbidity Analysis

SAMPLE# 01C
MATRIX WATER
TEST CODE DERTRB

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter	Analysis	Analysis
ID Name	Result (NTU)	Method Date
0100 Turbidity	<1.0	EPA180.1 10/26/89

ORLANDO LABORATORIES, INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-217

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Reg. Pest 608s

SAMPLE# 02A
MATRIX METHODBLANK
TEST CODE 608R

SAMPLE TYPE WATER DATE EXTRACTED 10/23/89
UNITS ug/l DATE RUN 10/24/89
ANALYST RAB DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a)
(PWS029)

Parameter ID Name	Analysis Result	Det. Lt. Used
2005 Endrin	<u>0.10 U</u>	0.10
2010 Lindane	<u>0.05 U</u>	0.05
2015 Methoxychlor	<u>0.50 U</u>	0.50
2020 Toxaphene	<u>1.00 U</u>	1.00

ORLANDO LABORATORIES, INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-217

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Reg. Pest 615a

SAMPLE# 02A
MATRIX METHODBLANK
TEST CODE 615R

SAMPLE TYPE WATER DATE EXTRACTED 10/26/89
UNITS ug/l DATE RUN 10/27/89
ANALYST JHW DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (b)
(PWS029)

Parameter	Analysis	Det. Lt.
ID Name	Result	
2105 2,4-D	<u>2.00 U</u>	2.0
2110 2,4,5-TP (Silvex)	<u>1.00 U</u>	1.0

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 10-26-1989

LAB SAMPLE # : 8910218-01C
ANALYSIS DATE : 10/24/89

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
GAMMA-BHC (LINDANE)	100	0	75	75	81	81	8
HEPTACHLOR	100	0	92	92	89	89	3
ALDRIN	100	0	67	67	73	73	9
DIELDRIN	100	0	118	118	120	120	2
ENDRIN	100	0	107	107	111	111	4
4,4-DDT	100	0	114	114	117	117	3

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
GAMMA-BHC (LINDANE)	56	123	15	46	127	50
HEPTACHLOR	40	131	20	35	130	31
ALDRIN	40	120	22	34	132	43
DIELDRIN	52	126	18	31	134	38
ENDRIN	56	121	21	42	139	45
4,4-DDT	30	127	27	23	134	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 10-27-1989

LAB SAMPLE # : 8910217-01a
 ANALYSIS DATE : 10/27/89

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
2,4,5-TP (silvex)	100	0	88	88	10	11	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
2,4,5-TP (silvex)	72	112	30	70	130	35

Southern States Utilities
Attn: Aaron Perlowich

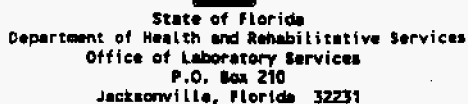
Report No: 89-10-217
Page No: 13

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Mercury	<1	91	11/01/89	TC
Selenium	<1	105	11/06/89	CFG
Lead	11	96	11/06/89	TC
Chromium	<1	104	11/07/89	CFG
Barium	<1	99	11/07/89	BB
Cadmium	<1	102	11/07/89	BB
Sodium	<1	107	11/07/89	BB
Copper	7	96	11/07/89	BB
Iron	<1	100	11/07/89	BB
Manganese	<1	105	11/07/89	BB
Zinc	<1	102	11/07/89	BB
Silver	<1	106	11/08/89	CJP
Arsenic	5	97	11/12/89	CJP
Chloride	<1	98	10/26/89	GZT
Turbidity	4	N/A	10/26/89	GZT
Fluoride	2	104	10/26/89	JAB
Odor	<1	N/A	10/25/89	GZT
Color	<1	N/A	10/28/89	GZT
pH	1	N/A	10/25/89	GZT
Total Alkalinity	2	97	10/25/89	SRK
Sulfate	<1	104	11/01/89	GZT
MBAS	<1	88	11/02/89	DR
TDS	<1	96	11/02/89	DR
Nitrate Nitrogen	<1	97	11/02/89	DA

End of Report

[illegible]



DRINKING WATER BACTERIOLOGICAL ANALYSIS

12/10

SYSTEM NAME: Lk Conway SYSTEM I.D. NO: 3481089 SYSTEM PHONE #: 880-0058
ADDRESS: 40000 1st Place COUNTY: DAO-9E DER DISTRICT: 03
COLLECTOR: John C. COLLECTOR PHONE #: 880-0058
SAMPLE SITE (Locality or Subdivision): Lake Conway
DATE AND TIME COLLECTED: 10/19/91 2:00 p.m.
TYPE OF SUPPLY(Circle one): ☒ Community water system ☐ Noncommunity water system ☐ Nontransient - noncommunity water system
☐ Private well ☐ Swimming pool ☐ Bottled water ☐ Other public water system
TYPE OF SAMPLE(Circle one): ☒ Compliance (Check Box) ☐ Repeat ☐ Replacement (Check Box) ☐ Main clearance ☐ Well survey ☐ Other _____ (Specify)
☒ Distribution ☐ Raw ☐ [] TNTC or C ☐ Turbid ☐ []
REMARKS:

[illegible]

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNTC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

U.S. Form 415, Jan 81 (Obsolete previous
editions & NCS may not be used)
Stock Number: 5740-000-0001-1.

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SS Lt. SORUICE
1000th Color Place
GPOPTA F1
33703

() SATISFACTORY
(X) INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES

REVIEWING OFFICIAL: JP

TITLE: DEP

Lake Harriet Estates - 323

Seminole County (SSU)

Water

- 1992 FPSC Filing -

Lake Harriett

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	3/91
Organic	3/91
Volatile Organic Chemicals	3/91
	6/91
	9/91
	12/91
Turbidity	3/91
Microbiological	12/91
Radionuclide	3/91
Secondary Contaminants	3/91
Unregulated Contaminants	3/91



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 30, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulations
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Lake Harriet PWS ID #3590699

Dear Ms. Carrasquillo,

Enclosed please find results for Primary Organics, Primary Inorganics, Secondaries, Turbidity and Radiological Analysis for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 19 1991
PO Number: B91052
PO Number Lk. Harriet
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received:

Mar 26 1991
Lab Number : 16535
REPORT OF ANALYSIS

16535					
Parameter	Unit	Method	NAOC	%PROC	
		Detection			
		Limit			
Turbidity	NTU	0.05	100	1.000	1.4 - W:11 Resample
Arsenic	mg/L	0.0005	102	3.92	<0.0005
Barium	mg/L	0.01	108	1.44	<0.01
Cadmium	mg/L	0.001	103	1.170	<0.001
Chromium	mg/L	0.005	93.8	1.39	<0.005
Fluoride	mg/L	0.35	104	1.56	0.127
Lead	mg/L	0.001	104	5.91	0.001
Mercury	mg/L	0.0002	100	1.000	<0.0002
Nitrate as N)	mg/L	0.01	95.1	14.2	0.0633
Selenium	mg/L	0.0005	105	7.30	<0.0005
Silver	mg/L	0.005	102	1.788	<0.005
Sodium	mg/L	0.002	103	1.516	0.138
Endrin	mg/L	0.000001	99.8	3.41	<0.000001
Lindane	mg/L	0.000001	99.4	2.59	<0.000001
Methoxychlor	mg/L	0.00001	109	12.0	<0.00001
Toxaphene	mg/L	0.0001	106	1.935	<0.0001
2,4-D	mg/L	0.00005	107	1.994	<0.00005
2,4,5-TP (Silvex)	mg/L	0.00002	111	2.22	<0.00002
Calcium	mg/L	0.1	106	1.362	48.4
Chloride	mg/L	0.015	102	1.049	14.2
Carbonate_CaCO3	mg/L	0.1			128.6
Hydroxide_CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	101	1.43	<0.005
Bicarbonate_CaCO3	mg/L	0.1			127.9
Carbonate Alkalinity	mg/L	0.1			0.7
Hydrogen Sulfide	mg/L	0.5			-

Data Release Authorization
Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
451 NEWBURYPORT
P.O. BOX 150-597
ATLANTA SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 280-6110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 19 1991

PO Number: 891052

PO Number Lk. Harriet

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Mar 26 1991

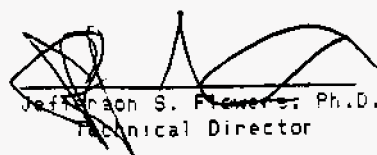
Lab Number : 16535

REPORT OF ANALYSIS

					16535
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Iron	mg/L	0.01	108	1.08	0.074
Magnesium	mg/L	0.01	108	.722	11.4
Manganese	mg/L	0.005	102	.630	<0.005
Sulfate	mg/L	0.2	99.2	1.22	2.15
Zinc	mg/L	0.001	105	.876	0.01
Carbon_Dioxide	mg/L	0.1			4.7
Color	mg/L	5	-	.000	15
Total_Hardness	mg/L	0.1			167.6
NCH_as_CaCO3	mg/L	0.1			39
Odor(TON)	TON	1	-	.000	<1
Field_pH	pH	0.01			7.2
Lab_pH	pH	0.01	100	1.00	7.74
Field Conductivity	umhos/c	0.01			182
Total Alkalinity	mg/L	0.1	99.4	.667	129
TDS	mg/L	2.5	95.3	3.77	177
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			22.2
Langelier Index	LX	0.01			0.09
Saturation Index	pHs	0.01			7.65
Stability Index	pH	0.01			7.56
Foaming Agents	mg/L	0.1	99.7	1.02	<0.1
Field DO	mg/L	0.1			9
Field Chlorine	mg/L	0.1			1.3
Gross alpha incl. Ra	pCi/L	1			3.4

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 2 of 2

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
451 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

0960

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590699
Public Water System Name: Lake Harriett
Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83138

Parameter Group(s) Analyzed: Turbidity ☒; Inorganic ☒; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☒; Secondary Chemical ☒; Radiological ☒;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number For Radiological Parameters: HRS82138

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 16535

Sample Location (be specific):

Sample Type (check all applicable):

☐ Check

☒ Regular Distribution

☐ Composite

☐ Clearance

☐ Maximum Residence Time

☒ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 4/1/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check one) ☒ Yes ☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/18/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU)	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	16535	1	1.40	EPA180.1	0.05	4/2/91

Comments:

Inorganic Analysis
17-550.310(1)
(PWS030)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1005	Arsenic	16535	0.05	<0.0005	EPA208.3	0.0005	4/5/91
1010	Barium	16535	1	<0.1	EPA208.1	0.01	4/4/91
1015	Cadmium	16535	0.01	<0.001	EPA213.1	0.001	4/2/91
1020	Chromium	16535	0.05	<0.005	EPA218.1	0.005	4/2/91
1025	Fluoride	16535	4	.127	EPA340.1	0.05	3/28/91
1030	Lead	16535	0.05	<0.01	EPA239.2	0.001	4/4/91
1035	Mercury	16535	0.002	<0.0002	EPA245.1	0.0002	3/28/91
1040	Nitrate(as N)	16535	10	.0633	EPA353.1	0.01	04-03-91
1045	Selenium	16535	0.01	<0.0005	EPA270.3	0.0005	4/5/91
1050	Silver	16535	0.05	<0.005	EPA272.1	0.005	4/1/91
1052	Sodium	16535	160	.138	EPA273.1	0.002	3/28/91

Comments:

Organic Chemical Analysis
17-550.310(2)(a)(b)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2005	Endrin	16535	0.0002	<.000001	EPA508	.000001	4/1/91
2010	Lindane	16535	0.004	<.000001	EPA508	.000001	4/1/91
2015	Methoxychlor	16535	0.1	<0.00001	EPA508	0.00001	4/2/91
2020	Toxaphene	16535	0.005	<0.0001	EPA508	0.0001	4/1/91
2105	2,4-D	16535	0.1	<0.00005	EPA515	0.00005	4/2/91
2110	2,4,5-TP(Silvex)	16535	0.01	<0.00002	EPA515	0.00002	4/2/91

Comments:

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
1016	Calcium	16535	250	48.4	EPA215.1	0.1	4/4/91
1017	Chloride	16535		14.2	EPA300.0	0.015	04-01-91
1019	Carbonate CaCO3	16535		128.6	SM314A	0.1	4/4/91
1021	Hydroxide CaCO3	16535	1	0.0	SM408C	0.1	4/4/91
1022	Copper	16535		<0.005	EPA220.1	0.005	4/3/91
1023	Bicarbonate CaCO3	16535		127.9	SM408C	0.1	4/4/91
1026	Carbonate Alkalinity	16535		0.7	SM408C	0.1	4/4/91

1027	Hydrogen Sulfide	16535		EPA376.1	0.5	
1028	Iron	16535	0.3	.0740	EPA238.1	0.01 3/27/91
1031	Magnesium	16535		11.4	EPA242.1	0.01 4/4/91
1032	Manganese	16535	0.05	<0.005	EPA243.1	0.005 3/29/91
1055	Sulfate	16535	250	2.15	EPA300.0	0.200 3/28/91
1095	Zinc	16535	5	.01000	EPA289.1	0.001 4/3/91
1901	Carbon Dioxide	16535		4.7	SM406C	0.1 4/4/91
1905	Color	16535	15	15.0	EPA110.1	5 3/27/91
1915	Total Hardness	16535		167.6	SM314A	0.1 4/4/91
1917	NCH as CaCO3	16535		39.0	SM314A	0.1 4/4/91
1920	Odor(TON)	16535	3	<1	EPA140.1	1 3/27/91
1924	Field pH	16535	6.5-8.5	7.2	EPA150.1	0.01
1925	Lab pH	16535	6.5-8.5	7.74	EPA150.1	0.01 4/1/91
1926	Field Conductivity	16535		182.0	-	0.01
1927	Total Alkalinity	16535		129	EPA310.1	0.1 3/29/91
1930	TDS	16535	500	177	EPA160.1	2.5 4/1/91
1931	Phenolphthalein Alk.	16535			EPA310.1	0.1
1996	Field Temp. (C)	16535		22.2	-	1 4/4/91
1997	Langelier Index	16535	-0.2:+0.4	0.09	SM203	0.01 4/4/91
1998	Saturation Index	16535		7.65	SM203	0.01 4/4/91
1999	Stability Index	16535		7.56	SM203	0.01 4/4/91
2909	Foaming Agents	16535	0.5	<0.1	EPA425.1	0.1 4/1/91
9996	Field DO	16535		9.0	-	0.1
9997	Field Chlorine	16535		1.3	-	0.1

Comments:

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(pCi/L)	Analytical Method	Det.Limit Used	Analysis Date
4000	Gross alpha incl. Ra & U	16535	5	3.4	EPA900	1	4/18/91

Comments:

FLOWERS

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORDCHEMICAL
LABORATORIES
INCORPORATED

CLIENT SSU		ADDRESS 1000 Calhoun Place Apopka FL.		PHONE 880-0100															
PROJECT NAME B 91052		REQUIRED: ☐ Urgent ☐ Routine		DATE 3/26/91															
Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES: 4 H₂O 4 Samples
	HNO ₃	H ₂ SO ₄	HCl	Na ₂ S ₂ O ₃	Zn(C ₂ H ₃ O ₂) ₂ /NaOH	NaOH/Ascorbic Acid	60ml	125ml	250ml	500ml	1L	2L	Whirl-Pak Bag	40ml Vial	250ml	500ml	1L	2L	
QTY																			
	X								X									X	
										X									
	X								X										
Kit Relinquished:		Date:		Kit Received:		Date:													
		Time:				Time:													
Parameters: Pd, Pb, P, Cu, Se, GA		Laboratory Number		Client Identification/Description															
				Dist. Water															
				10:00 AM															
				Chalupa															
				Field Conditions															
				Cl₂ 1.2															
				pH 7.3															
				Temp 78															
				D₀ Pending															
				Conduct. Pending															
				Lake Harriett															
				I.D. 3590699															
				Lake Harriett															
Sample Collection:				3-26															
Transportation:				3/26/91															
Lab Acceptance:				11:15															

Page _____ of _____

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.481 NEWBURYPORT
P.O. BOX 450-501
ALAMONTE SPRINGS
FLORIDA 32715-0501
813-321-1594
FAX 813-321-1595



June 24, 1991

General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Lake Harriett PWS ID #3590699

Dear Ms. Carrasquillo,

Please find enclosed, results on re-take for Turbidity as requested for the above referenced facility.

Please enter this information in your records.

Sincerely,

SSU Services

Donald B. Corder
Division Supervisor

DBC/jlm

cc: Charles Sweat
Clara Dozier
File



ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Don Corder

Work Order # : 91-06-189
Date Received: 06/13/91
Date Reported: 06/19/91
OLI Contact: L_BALTZLEY

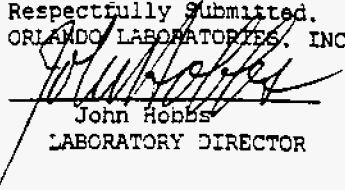
Work ID: Lake Harriett 3590699
Samples collected by: Client
Total Samples: 1

SAMPLE IDENTIFICATION
01 40 M/L Jug

TEST CODES and NAMES used on this report
TURB Turbidity

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645

(800) 826-8320

FAX (407) 898-6598

ORLANDO LABORATORIES, INC.
Received: 06/13/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-06-189

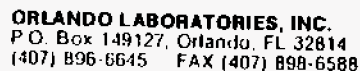
SAMPLE ID	40 M/L lug	SAMPLE #	01A
DATE COLLECTED	06/13/91 09:15:00	MATRIX	WATER
TURB	0.50		
	NTU		

Southern States Utilities
Attn: Don Corder

Report No: 91-06-189
Page No: 3

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES</u> <u>% DIFFERENCE</u>	<u>SPIKES</u> <u>% RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Turbidity	2	N/A	06/14/91	RG



CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1[illegible]

ORIGINAL (AR)
VOLUME FILE

0969



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

April 29, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803

Re: Holiday Haven PWS ID #348D547
 Harmony Homes PWS ID #3590497
 Lake Harriet PWS ID #3590699
 Lake Brantley PWS ID #3590685

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis, Unregulated Organic Purgeables, Unregulated Organic Pesticides, Unregulated Base Neutral Extracts and Unregulated Acid Extractables for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Donald B. Corder
Area Supervisor

DBC/jlm

cc: Charles Sweat
 Frank Sanderson
 Ralph Terrero
 Clara Dozier
 File

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PD Number: 891052

PD Number

FDHRS Lab# : 83139
FDER Lab# : 883018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

Lab Number : 16444

REPORT OF ANALYSIS

Lake Harriet

16444

Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	97.2	9.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	113	2.33	<0.001
Vinyl chloride	mg/L	0.001	100	.351	<0.001
1,1-dichloroethene	mg/L	0.001	100	.351	<0.001
1,2-dichloroethane	mg/L	0.001	119	1.74	<0.001
1,1,1-trichloroethane	mg/L	0.001	98.0	.888	<0.001
Carbon tetrachloride	mg/L	0.001	98.3	.451	<0.001
Trichloroethene	mg/L	0.001	102	1.71	<0.001
Tetrachloroethene	mg/L	0.001	108	1.99	<0.001
Benzene	mg/L	0.001	94.7	.436	<0.001
Chloromethane	mg/L	0.001	105	2.94	<0.001
Dichlorodifluorometh	mg/L	0.001	98.3	.451	<0.001
Bromomethane	mg/L	0.001	105	2.94	<0.001
Chloroethane	mg/L	0.001	100	.351	<0.001
Trichlorofluorometha	mg/L	0.001	98.3	.451	<0.001
trans-1,3-dichlorop	mg/L	0.001	105	1.28	<0.001
cis-1,3-dichloroprop	mg/L	0.001	111	11.3	<0.001
Methyl-tert-butyleth	mg/L	0.001	108	9.08	<0.001
cis-1,2-dichloroeth	mg/L	0.001	111	11.3	<0.001
Dibromomethane	mg/L	0.001	105	2.94	<0.001
1,1-dichloropropene	mg/L	0.001	103	1.65	<0.001
1,3-dichloropropene	mg/L	0.001	105	1.28	<0.001
1,2,3-trichloropropa	mg/L	0.001	108	10.7	<0.001
2,2-dichloropropene	mg/L	0.001	100	.351	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	108	10.7	<0.001
Chloroform	mg/L	0.001	97.7	.975	0.00252

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jean S. Flowers, Ph.D.
Chemical Director

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
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FLORIDA 32715-0597
BUS 307 339-5386
FAX 307 339-5386


**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:

 SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: B91052

PO Number

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDENR Lab# : 296

SCDHED Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

Lab Number : 16444

REPORT OF ANALYSIS

					16444
Parameter	Unit	Method	MASS	MPRO	
		Detection			
		Limit			
Bromoform	mg/L	0.001	115	12.1	0.00672
Bromodichloromethane	mg/L	0.001	95.3	3.77	0.00697
Dibromochloromethane	mg/L	0.001	112	4.36	0.0149
p-xylene	mg/L	0.001	112	3.45	<0.001
Methylene chloride	mg/L	0.001	105	1.74	<0.001
o-chlorotoluene	mg/L	0.001	104	5.54	<0.001
p-chlorotoluene	mg/L	0.001	93.7	1.70	<0.001
m-dichlorobenzene	mg/L	0.001	112	1.19	<0.001
o-dichlorobenzene	mg/L	0.001	112	1.59	<0.001
1,1-dichloroethane	mg/L	0.001	97.3	1.17	<0.001
trans-1,2-dichloroeth	mg/L	0.001	112	3.35	<0.001
1,2-dichloroethane	mg/L	0.001	101	1.85	<0.001
1,1,2-trichloroethane	mg/L	0.001	112	1.12	<0.001
1,1,1,2-tetrachloride	mg/L	0.001	98.3	3.15	<0.001
1,1,1,2-tetrachloride	mg/L	0.001	115	12.3	<0.001
Chlorobenzene	mg/L	0.001	101	1.37	<0.001
Toluene	mg/L	0.001	93.7	1.70	<0.001
Ethylbenzene	mg/L	0.001	95.3	1.04	<0.001
Bromobenzene	mg/L	0.001	101	1.37	<0.001
m-xylene	mg/L	0.001	112	3.45	<0.001
Isoprene	mg/L	0.001	93.7	1.70	<0.001
o-xylene	mg/L	0.001	112	3.45	<0.001
Dalapon	mg/L	0.000001	99.3	4.29	<0.000001
Oxamyl (Mycate)	mg/L	0.002	101	16.8	<0.002
Simazine	mg/L	0.007	102	1.31	<0.007
Acetolam	mg/L	0.00007	103	3.97	<0.00007

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, P.E.
Technical Director

Jefferson S. Flowers, P.E.
Jefferson S. Flowers, P.E.
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FLORIDA 32715-0597
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FAX 407 139-5954

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: 891052

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

Lab Number : 16444

REPORT OF ANALYSIS

					16444
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Dinoseb	mg/L	0.00001	108	.328	<0.00001
Aldicarb sulfoxide	mg/L	0.002	83.7	.000	<0.002
Aldicarb sulfone	mg/L	0.002	100	15.1	<0.002
Metolachlor	mg/L	0.0005	104	3.42	<0.0005
Carbofuran	mg/L	0.001	100	5.94	<0.001
Aldicarb	mg/L	0.002	92.0	6.71	<0.002
Athazine	mg/L	0.002	103	1.20	<0.002
Alachlor (Lasso)	mg/L	0.0002	105	.673	<0.0002
Heptachlor	mg/L	0.000005	101	.702	<0.000005
Aldrin	mg/L	0.00007	109	1.17	<0.00007
Dieldrin	mg/L	0.00001	93.6	2.42	<0.00001
Dicamba	mg/L	0.00001	115	7.99	<0.00001
Chlor dane	mg/L	0.00001	100	3.39	<0.00001
Pentachlorophenol	mg/L	0.005	99.8	1.42	<0.005
Hexachlorocyclopenta	mg/L	0.001	93.5	6.81	<0.001
Dioxin	mg/L	0.00001	101	7.58	<0.00001
Isophorone	mg/L	0.001	93.4	.424	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.8	1.42	<0.001
Dimethylphthalate	mg/L	0.001	100	5.60	<0.001
Diethylphthalate	mg/L	0.001	91.4	.804	<0.001
Di-n-octylphthalate	mg/L	0.001	99.9	2.41	<0.001
Butyl benzyl phthala	mg/L	0.001	96.7	4.11	<0.001
Bis(2-ethylhexyl)phnt	mg/L	0.001	97.2	7.19	<0.001
1,2,4-trichlorobenze	mg/L	0.001	97.1	4.00	<0.001
PCB_1016	mg/L	0.0001	97.7	2.75	<0.0001
PCB_1221	mg/L	0.0001	99.0	2.00	<0.0001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson L. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
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FLORIDA 32715-0591
813 407 139-4924
813 407 139-4924

0973

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Apr 3 1991

PO Number: 891052

PO Number

FDHRS Lab# : 83139

FDER Lab# : E82018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: WELL

Date Received:

Mar 12 1991

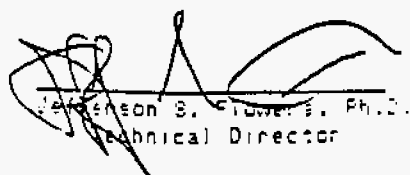
Lab Number : 16444

REPORT OF ANALYSIS

Parameter	Unit	Method	KACC	KPRC	16444
					Detection Limit
PCB_1232	mg/L	0.0001	102	2.36	<0.0001
PCB_1242	mg/L	0.0001	101	3.94	<0.0001
PCB_1248	mg/L	0.0001	102	3.19	<0.0001
PCB_1254	mg/L	0.0001	100	3.52	<0.0001
PCB_1260	mg/L	0.0001	98.7	4.13	<0.0001
Dioctylphthalate	mg/L	0.001	97.4	3.38	<0.001
2-chlorophenol	mg/L	0.001	94.9	3.03	<0.001
2-methyl-4,6-dinitro	mg/L	0.001	100	3.18	<0.001
Phenol	mg/L	0.001	100	3.423	<0.001
2,4,6-trichloropheno	mg/L	0.001	101	3.56	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL 1A and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 4 of 4

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 339-5984

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3990699
Public Water System Name: Lebanon Haven
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Pesticide ☐; Unregulated Organic Pesticide ☒;
Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 16444
Sample Location (be specific):
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special

Sampler Name, Title Phone:

ANALYSIS INFORMATION

Extraction Date: 3/22/91
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check one) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Pesticide ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/2/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

2991	Toluene	16444	<0.001	EPA502.2	0.001	3/22/91
2992	Ethylbenzene	16444	<0.001	EPA502.2	0.001	3/22/91
2993	Bromobenzene	16444	<0.001	EPA502.2	0.001	3/22/91
2995	m-xylene	16444	<0.001	EPA502.2	0.001	3/22/91
2996	Styrene	16444	<0.001	EPA502.2	0.001	3/22/91
2997	o-xylene	16444	<0.001	EPA502.2	0.001	3/22/91

Comments:

Unregulated Organic Pesticide Analysis
17-550.410(2)
(PWS035)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2031	Dalapon	16444		<0.000001	EPA515	0.000001	3/26/91
2036	Oxamyl (Vydate)	16444		<0.002	EPA531	0.002	3/14/91
2037	Simazine	16444		<0.007	EPA505	0.007	3/26/91
2040	Pictoram	16444		<0.000007	EPA515	0.000007	3/26/91
2041	Dinoseb	16444		<0.000001	EPA515	0.000001	3/26/91
2043	Aldicarb sulfoxide	16444		<0.002	EPA531	0.002	3/14/91
2044	Aldicarb sulfone	16444		<0.002	EPA531	0.002	3/14/91
2045	Metolachlor	16444		<0.0005	EPA505	0.0005	3/26/91
2046	Carbofuran	16444		<0.001	EPA531	0.001	3/14/91
2047	Aldicarb	16444		<0.002	EPA531	0.002	3/14/91
2050	Atrazine	16444		<0.002	EPA505	0.002	3/26/91
2051	Alachlor (Lasso)	16444		<0.0002	EPA505	0.0002	3/26/91
2065	Heptachlor	16444		<0.000005	EPA508	0.000005	3/20/91
2356	Aldrin	16444		<0.000007	EPA508	0.000007	3/20/91
2364	Dieldrin	16444		<0.000001	EPA508	0.000001	3/20/91
2440	Dicamba	16444		<0.000001	EPA515	0.000001	3/26/91
2959	Chlordane	16444		<0.000001	EPA508	0.000001	3/20/91
9114	Pentachlorophenol	16444		<0.005	EPA515	0.005	4/1/91

Comments:

Unregulated Base Neutral Extractable Analysis
17-550.410(3)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadiene	16444		<0.001	EPA508	0.001	3/20/91
2063	Dioxin	16444		<0.000001	EPA813	0.000001	3/20/91
2262	Isophorone	16444		<0.001	EPA609	0.001	4/1/91
2270	2,4-dinitrotoluene	16444		<0.001	EPA609	0.001	4/1/91
2282	Dimethylphthalate	16444		<0.001	EPA608	0.001	4/1/91
2284	Diethylphthalate	16444		<0.001	EPA608	0.001	4/1/91
2290	Di-n-butylphthalate	16444		<0.001	EPA608	0.001	4/1/91
2294	Butyl benzyl phthalate	16444		<0.001	EPA608	0.001	4/1/91
2298	Bis(2-ethylhexyl)phthalate	16444		<0.001	EPA608	0.001	4/1/91
2378	1,2,4-trichlorobenzene	16444		<0.001	EPA812	0.001	4/1/91
2388	PCB-1016	16444		<0.0001	EPA505	0.0001	3/20/91
2390	PCB-1221	16444		<0.0001	EPA505	0.0001	3/20/91
2392	PCB-1232	16444		<0.0001	EPA505	0.0001	3/20/91
2394	PCB-1242	16444		<0.0001	EPA505	0.0001	3/20/91
2396	PCB-1248	16444		<0.0001	EPA505	0.0001	3/20/91
2398	PCB-1254	16444		<0.0001	EPA505	0.0001	3/20/91

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16444	.00002	<.000005	EPA504.1	.000005	3/27/91
2969	Para-dichlorobenzene	16444	.075	<0.001	EPA502.2	0.001	3/22/91
2976	Vinyl chloride	16444	0.001	<0.001	EPA502.2	0.001	3/22/91
2977	1,1-dichloroethene	16444	0.007	<0.001	EPA502.2	0.001	3/22/91
2980	1,2-dichloroethene	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2981	1,1,1-trichloroethane	16444	0.2	<0.001	EPA502.2	0.001	3/22/91
2982	Carbon tetrachloride	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2984	Trichloroethene	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2987	Tetrachloroethene	16444	0.003	<0.001	EPA502.2	0.001	3/22/91
2990	Benzene	16444	0.001	<0.001	EPA502.2	0.001	3/22/91

Comments:

Unregulated Organic Purgeable Analysis
17-550.410(1)
(PWS034)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2210	Chloromethane	16444		<0.001	EPA502.2	0.001	3/22/91
2212	Dichlorodifluoromethane	16444		<0.001	EPA502.2	0.001	3/22/91
2214	Bromomethane	16444		<0.001	EPA502.2	0.001	3/22/91
2216	Chloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2218	Trichlorofluoromethane	16444		<0.001	EPA502.2	0.001	3/22/91
2224	trans-1,3,-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2228	cis-1,3-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2251	Methyl-tert-butylether	16444		<0.001	EPA502.2	0.001	3/22/91
2380	cis-1,2-dichloroethene	16444		<0.001	EPA502.2	0.001	3/22/91
2408	Dibromomethane	16444		<0.001	EPA502.2	0.001	3/22/91
2410	1,1-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2412	1,3-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2414	1,2,3-trichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2416	2,2-dichloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2931	1,2-dibromo-3-chloropropene	16444		<0.001	EPA502.2	0.001	3/22/91
2941	Chloroform	16444		<0.001	EPA502.2	0.001	3/22/91
2942	Bromoform	16444		0.00252	EPA502.2	0.001	3/22/91
2943	Bromodichloromethane	16444		0.00672	EPA502.2	0.001	3/22/91
2944	Dibromochloromethane	16444		0.00697	EPA502.2	0.001	3/22/91
2962	p-xylene	16444		0.0149	EPA502.2	0.001	3/22/91
2964	Methylene chloride	16444		<0.001	EPA502.2	0.001	3/22/91
2965	o-chlorotoluene	16444		<0.001	EPA502.2	0.001	3/22/91
2966	p-chlorotoluene	16444		<0.001	EPA502.2	0.001	3/22/91
2967	m-dichlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91
2968	o-dichlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91
2978	1,1-dichloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2979	trans-1,2-dichloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2983	1,2-dichloropropane	16444		<0.001	EPA502.2	0.001	3/22/91
2985	1,1,2-trichloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2986	1,1,1,2-tetrachloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2988	1,1,2,2-tetrachloroethane	16444		<0.001	EPA502.2	0.001	3/22/91
2989	Chlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91

2400	PCB-1250	16444	<0.0001	EPA505	0.0001	3/20/91
9089	Diocetylphthalate	16444	<0.001	EPA608	0.001	4/1/91

Comments:

Unregulated Acid Extractable Analysis
17-550.410(4)
(PWS037)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
9108	2-chlorophenol	16444		<0.001	EPA604	0.001	4/1/91
9112	2-methyl-4,6-dinitrophenol	16444		<0.001	EPA604	0.001	4/1/91
9115	Phenol	16444		<0.001	EPA604	0.001	4/1/91
9116	2,4,6-trichlorophenol	16444		<0.001	EPA604	0.001	4/1/91

Comments:

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

**CHEMICAL
LABORATORIES
INCORPORATED**

CLIENT SSU		ADDRESS 1000 Colon Place Apopka FL 32703		PHONE 880-0100	
PROJECT NAME B91052		REQUIRED: ☐ Urgent ☒ Routine		DATE 3/11/91	

Sample Containers	Preservative						Plastic Containers						Glass Containers						NOTES:
	HNO ₃	H ₂ SO ₄	HCl	Na ₂ SO ₃	Zn(C ₂ H ₃ O ₂) ₂ /NaOH	NaOH/AsAcid	60ml	125ml	250ml	500ml	1L	2L	Whit Pak Bag	40ml Vial	250ml	500ml	1L	2L	
QTY																			
														X					X

Notes: Swells 1 sample
No AIR Bubbles

KIT Relinquished:	Date: 3/12/91 Time: 9:45	KIT Received:	Date: Time:
-------------------	-----------------------------	---------------	----------------

Parameters: PVA UNREG	PVA UNREG ID #
Laboratory Number	Client Identification/Description R/W Water

{	Culverts Well 1	3590186
	Well 2	"
	Harmony Hwy Well 1	3590497
	Lake Harriet Well 1	3590699
	Lake Brumby Well 1	3590685

Sample Collection: 3/11/91	Date	Time
Transportation: Truck		
Lab Acceptance:	3/14/91	9:45



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

June 3, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Seminole County PW
Chuluota PWS ID #3590186
Harmony Homes PWS ID #3590497
→ Lake Harriett PWS ID #3590699
Lake Brantley PWS ID #3590685

Dear Ms. Carrasquillo,

Please find enclosed results for Volatile Organic Analysis second quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder
Division Supervisor

DBC/jlm

cc: Charles Sweat
Clara Dozier
File

FLOWERS



**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:
Southern States
1000 Color Pl.
Apopka, FL 32703

Date Reported: Jun25 1991

PO Number: N/A

PO Number N/A

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: Water Sample

Date Received:

Jun20 1991

Lab Number : 17194

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	17194		
			%ACC	%PRC	
Ethylene dichloride	mg/L	0.000005	98.5	6.14	<0.000005
Para-dichlorobenzene	mg/L	0.001	103	2.16	<0.001
Vinyl chloride	mg/L	0.001	96.1	4.39	<0.001
1,1-dichloroethene	mg/L	0.001	96.1	4.39	<0.001
1,2-dichloroethane	mg/L	0.001	113	3.25	<0.001
1,1,1-trichloroethane	mg/L	0.001	101	4.48	<0.001
Carbon tetrachloride	mg/L	0.001	98.5	4.28	<0.001
Trichloroethene	mg/L	0.001	99.7	3.98	<0.001
Tetrachloroethene	mg/L	0.001	96.0	3.69	<0.001
Benzene	mg/L	0.001	94.9	1.68	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALLAMONT SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5964
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590699
Public Water System Name: Lake Harriet
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
Laboratory Sample Number: 17194
Sample Location (be specific): 1-Well
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☒ Well ☐ Resample
☐ Special 2nd Qtr. VOC.
Sampler Name, Title Phone: Frank McCord

ANALYSIS INFORMATION

Extraction Date: 6/24/91
Laboratory Contact: Dr. J.S. Flowers
Resample Requested? (check one) ☒ Yes ☐ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 6/24/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17194	.00002	<.000005	EPA504.1	.000005	8/21/91
2969	Para-dichlorobenzene	17194	.075	<0.001	EPA502.2	0.001	8/21/91
2976	Vinyl chloride	17194	0.001	<0.001	EPA502.2	0.001	8/21/91
2977	1,1-dichloroethene	17194	0.007	<0.001	EPA502.2	0.001	8/21/91
2980	1,2-dichloroethane	17194	0.003	<0.001	EPA502.2	0.001	8/21/91
2981	1,1,1-trichloroethane	17194	0.2	<0.001	EPA502.2	0.001	8/21/91
2982	Carbon tetrachloride	17194	0.003	<0.001	EPA502.2	0.001	8/21/91
2984	Trichloroethene	17194	0.003	<0.001	EPA502.2	0.001	8/21/91
2987	Tetrachloroethene	17194	0.003	<0.001	EPA502.2	0.001	8/21/91
2990	Benzene	17194	0.001	<0.001	EPA502.2	0.001	8/21/91

Comments:

FORM	Label	DESCRIPTION
FORM 1040	1040	00177
FORM 1040	1040	00177
FORM 1040	1040	00177

[illegible]

NOTES:

PULLED 9:30 AM 6/16-41
TESTING FOR UOC

Quantitative Samples Analyzed: Turbidity; Inorganic; Isotomulations; Volatile Organic;
Inorganic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide;
Unregulated Inorganic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable;

hilsherslotz Humbert

§ 51000 Sample Identification

01
02
03
04
05
06
07
08
09
10
11

6)Collector's Signature:
7)Reporter's Signature:
9)Lab Acceptance (if

	Date	Time
Final WSA	10/19/99	10:30 AM
Final	10/19/99	11:30 AM
Drumett, Jakob		



September 30, 1991

General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re; Seminole County - PW
Chuluota PWS ID #3590186
Lake Harriett PWS ID #3590699
Lake Brantley PWS ID #3590685
Harmony Homes PWS ID #3590497

Dear Ms. Carrasquillo,

Enclosed please find results for Volatile Organic Analysis third quarter for the above referenced facilities.

Please enter this information into your records.

Sincerely,

SSU Services

Donald B. Corder

Don Corder
Area Supervisor

DC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
Sam Sparks
File

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Sep20 1991
PO Number: B91052
PO Number Various
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Composite
Date Received:

Sep16 1991

Lab Number : 17811

REPORT OF ANALYSIS

Loba Harriett

17811					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	109	.921	<0.000005
Para-dichlorobenzene	mg/L	0.001	96.5	4.20	<0.001
Vinyl chloride	mg/L	0.001	119	4.66	<0.001
1,1-dichloroethene	mg/L	0.001	119	4.66	<0.001
1,2-dichloroethane	mg/L	0.001	101	6.12	<0.001
1,1,1-trichloroethan	mg/L	0.001	111	5.87	<0.001
Carbon tetrachloride	mg/L	0.001	116	3.44	<0.001
Trichloroethene	mg/L	0.001	103	4.06	<0.001
Tetrachloroethene	mg/L	0.001	106	4.23	<0.001
Benzene	mg/L	0.001	110	.140	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

[Signature]
Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALDAMONTE SPRINGS
FLORIDA 32715-0597
BUS 1-800-330-5984
FAX 1-800-330-5984

0986

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590699

Public Water System Name: Lake Harriet

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number:

17811 well-plants/le

Sample Location (be specific):

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composit

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: Don Carter - Supervisor - 990-0059

ANALYSIS INFORMATION

Extraction Date: 9/1/91

Laboratory Cont. Dr. J.S. Flowers

Resample Requested? (che) (Yes)

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name

Dr. Jefferson S. Flowers

Mail Results to the

Appropriate DER or ACPHU Office:

Title

Technical Director

Laboratory

Flowers Chemical Laboratories, Inc.

Date

9/19/91

DER /ACPHU Reviewing Official:

PWSA.01

Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
Ethylene dibromide	17811	.00002	<.000005	EPA504.1	.000005	9/19/91
Para-dichlorobenzene	17811	.075	<0.001	EPA502.2	0.001	9/16/91
Vinyl chloride	17811	0.001	<0.001	EPA502.2	0.001	9/16/91
1,1-dichloroethene	17811	0.007	<0.001	EPA502.2	0.001	9/16/91
1,2-dichloroethane	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
1,1,1-trichloroethane	17811	0.2	<0.001	EPA502.2	0.001	9/16/91
Carbon tetrachloride	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
Trichloroethene	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
Tetrachloroethene	17811	0.003	<0.001	EPA502.2	0.001	9/16/91
Benzene	17811	0.001	<0.001	EPA502.2	0.001	9/16/91

nts:



**CHEMICAL
LABORATORY**

FOER	LAST	ERR018
FOHRE	LAST	ERR138
NOCHENR	LAST	290
SECHRE	LAST	ERR018

Don CORDEA

(1) Client SSU	(2) Address 1000 COLOR PLACE AARPA, FL 32703	(3) Phone 880-0058
(4) Public Drinking Water ID #	(5) Public Water System Name:	
(6) Project #	(8) Public Water System Type ☒ Community ☐ Non-Community ☐ Special Non-Community	
MPS# B91052		

Preservative		Plastic Containers					Glass Containers					NOTE:		
10% ZnAcetate		60ml	125ml	250ml	500ml	1L	Whit-Pac Bag	40ml	250ml	500ml	1L	2L	5L	(12) Turn Around Time: 10 Working Days : _____ 8 Working Days : _____ 3 Working Days : _____ 1 Working Day : _____ Other : _____
								X						CHULUOTA (2WELLS) HARMONY HOMES (1WELL) LK HARRIET (1WELL) LK. BRANTLEY (1WELL) * TO BE COMPOSITED

(17) Kit Relinquished:	(17) Date	(9) Kit Received	(9) Date
	(17) Time		(9) Time

(10) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trissomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable;

(11) Client Sample Identification

17811

#1
#2
#3
#4
#5
#6
#7
#8
#9
#10

Donald B. Crook

Date
9-16-01

Time

Amelia S. Corbin

9/6-91

~~_____~~

9/16/97

210

Over for numbered instructions.



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

December 18, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

Re: Seminole County Water Treatment Plants

Dear Ms. Carrasquillo:

Enclosed please find results for Fourth Quarter Volatile Organic Analysis for the following systems:

Chuluota	PWS ID # 3590186
Harmony Homes	PWS ID # 3590497
Lake Harriett	PWS ID # 3590699
Lake Brantley	PWS ID # 3590685

Please enter this information into your records.

Sincerely,

Donald B. Corder
Area Supervisor

\csd

cc: Charles Sweat
Frank Sanderson
Jim Murray
Mel Fisher

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Dec13 1991

PO Number: B91052

PO Number Seminole
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE

Date Received:

Dec 5 1991

Lab Number : 18437

REPORT OF ANALYSIS

Lake Harriett

18437					
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	92.6	3.40	<0.000005
Para-dichlorobenzene	mg/L	0.001	94.3	.289	<0.001
Vinyl chloride	mg/L	0.001	90.8	1.15	<0.001
1,1-dichloroethene	mg/L	0.001	90.8	1.15	<0.001
1,2-dichloroethane	mg/L	0.001	97.2	3.22	<0.001
1,1,1-trichloroethane	mg/L	0.001	99.0	2.85	<0.001
Carbon tetrachloride	mg/L	0.001	92.9	2.10	<0.001
Trichloroethene	mg/L	0.001	98.2	3.55	<0.001
Tetrachloroethene	mg/L	0.001	84.4	5.99	<0.001
Benzene	mg/L	0.001	92.3	1.04	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 330-5984
FAX (407) 260-6110

0991

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 3590699

Public Water System Name: Lake Horne

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):

Laboratory Sample Number: 18A37

Sample Location (be specific): Plant - 1-Well

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☒ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: Jim Johnson - Operator - 880-0058

ANALYSIS INFORMATION

Extraction Date: 1/1

Laboratory Cont Dr. J.S. Flowers

Resample Requested? (che ☐ Yes

☒ No

ANALYSIS SUBMITTEE: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Mail Results to the
Appropriate DER or ACPHU Office:

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 12/12/91

DER/ACPHU Reviewing Official:

PWSA.C1 Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18437	.00002	<.000005	EPA504.1	.000005	12/12/91
2969	Para-dichlorobenzene	18437	.075	<0.001	EPA502.2	0.001	12/5/91
2976	Vinyl chloride	18437	0.001	<0.001	EPA502.2	0.001	12/5/91
2977	1,1-dichloroethene	18437	0.007	<0.001	EPA502.2	0.001	12/5/91
2980	1,2-dichloroethane	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2981	1,1,1-trichloroethane	18437	0.2	<0.001	EPA502.2	0.001	12/5/91
2982	Carbon tetrachloride	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2984	Trichloroethene	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2987	Tetrachloroethene	18437	0.003	<0.001	EPA502.2	0.001	12/5/91
2990	Benzene	18437	0.001	<0.001	EPA502.2	0.001	12/5/91

Comments:

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

FOER Lab 883018
FOHR Lab 88138
NECHER Lab 288
SECHER Lab 88019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-880

(1) Client S.S.U. Services		(2) Address 961000 Colm Place 40 Don Conda		(3) Phone 880-0058 ext-148	
(4) Public Drinking Water ID #		(5) Public Water System Name: Composite see Below			
(6) Project: Seminole		(8) Public Water System Type			
(7) P.O. # B91052		☒ Community () Non-Community () Social Non-Community			

	Preservative	Plastic Containers						Glass Containers						NOTES:		
		1000ml	2000ml	60ml	125ml	250ml	500ml	1L	Whit Pac Bag	40ml	250ml	500ml	1L		2L	4L
(16) 5	15															(12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____ *Chuluota (2) Harmony Homes Lk. Harriett Lk. Brantley B91052 <i>Please composite</i>

(17) Kit Relinquished:		(17) Date 12/5/91		(18) Kit Received		(18) Date	
		(17) Time				(18) Time	

(10) Parameter Group(s) Analysed: Turbidity; Inorganic; Trihalomethane; Volatile Organic ☒
 Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgeable;
 Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable

(15) Laboratory Number
18437 ✓

(11) Client Sample Identification

#1	
#2	
#3	
#4	
#5	
#6	
#7	
#8	
#9	
#10	

(13) Collectors Signature:

(14) Transporters Signature:

(15) Lab Acceptance By:

A.S. E. Auer
G. Johnson
[Signature]

Date
12/5/91
12/5/91

Time
9:00 AM
11:05 AM
11:08

Over for numbered instructions.

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

LABORATORY 33603
REC'D ORL
Dec 4 2 10 PM '91
BY: D KAZANIS
12/5

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: LK HARRIET SYSTEM I.D. NO: 3590697 SYSTEM PHONE #: 240-0053
ADDRESS: 1000 GARDEN PLACE COUNTY: SEMINOLE DER DISTRICT: CENTRAL
COLLECTOR: FRANK DISCARD COLLECTOR PHONE #: 240-0053
SAMPLE SITE (Locality or Subdivision): 152 DAHLIA'S 2000
DATE AND TIME COLLECTED: 9:30 11-4-91
TYPE OF SUPPLY (Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE (Circle one): Compliance Repeat Replacement Main clearance Well survey Other
(Check Box) (Check Box) (Check Box) (Check Box) (Check Box) (Specify)
DO NOT WRITE IN THESE SPACES
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	ANALYSIS METHOD: MF MTF	MMO-MUG	PA		
				SAMPLE NUMBER	NON COLIFORM	TOTAL	CONFIRM TOTAL	CONFIRM FECAL
5	WELL #1	0.0	6.9	0518.5		A		
6	PRESSURE TANK	1.7	7.2	0518.6		A		
7	112 DAHLIA			0518.7		A		
8	113 LK HARRIET RT	0.1	7.2	0518.8		A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present C - Confluent growth TA - Turbid, Absence of gas or acid
A - Coliforms are absent TNTC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

1000 GARDEN PLACE
DAHLIA FL 32703

- () SATISFACTORY
(X) INCOMPLETE COLLECTION INFORMATION
() REPEAT SAMPLES
() REPLACEMENT SAMPLES

REVIEWING OFFICIAL: JR
TITLE: DEP

Lakeview Villas - 1054

Clay County (SSU)

Water

• 1992 FPSC Filing •

Lakeview Villas

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	11/90
Organic	11/89
Volatile Organic Chemicals	1/91
	4/91
	6/91
	10/91
Turbidity	11/90
Microbiological	12/91
Radionuclide	12/91
Secondary Contaminants	11/90
Unregulated Contaminants	1/91



Keystone Heights Office

480 S. Lawrence Blvd.
Keystone Heights, FL 32856
(804) 473-4804

February 28, 1991

Ms. Vicki Stanford
Florida Department of Environmental Regulation
N. E. District: St. Johns River Subdistrict
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577

Dear Ms. Stanford:

Enclosed are copies of lab results for the following:
Geneva Lake Estates, #2041320 -- Primary Organics; and
Postmasters Village, #2100912 -- Primary Organics, Primary
Inorganics, Secondary Standards and Turbidity.

The analysis for Volatile and Unregulated Contaminants
was completed for the plants listed below:

Keystone Heights	#2100610
Keystone Club Estates	#2040412
Geneva Lake Estates	#2041320
Postmasters Village	#2100912
Lakeview Villa	#2104350

Sincerely,

Ken Kerlin
Lead Operator

Encs.

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: SEE ATTACHED LIST
 Public Water System Name: SEE ATTACHED LIST
 Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
 Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
 Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
 Unregulated Organic Purgable ☒; - Unregulated Organic Pesticide ☒;
 Unregulated Base Neutral Extractable ☒; Unregulated Acid Extractable ☒;
 Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
 Laboratory Sample Number: 18080
 Sample Location (be specific): House built at wells
 Sample Type (check all applicable):
☒ Check ☐ Regular Distribution ☐ Composit
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Raw ☐ Well ☐ Resample
☒ Special Analysis every 36 months

Sampler Name: Title Phone:
A. Kellen - Lead Operator - 304-473-4804

ANALYSIS INFORMATION

Extraction Date: 2/1/91
 Laboratory Cont. Dr. J.S. Flowers
 Resample Requested? (che ☐ Yes ☒ No)
 ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
 Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
 Unregulated Organic Purgable ☐; Unregulated Organic Pesticide ☐;
 Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 2/18/91

DER/ACPHU Reviewing Official:

Mail Results to the
 Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
 Effective 08/01/91 ☐ Satisfactory ☐ Unsatisfactory

SSU SERVICES

P. O. Box 705, Keystone Heights, FL 32656

SAMPLES #1 and #2

I.D. Number: 2100610
System Name: Keystone Heights

SAMPLES #3 and #4

I.D. Number: 2040412
System Name: Keystone Club Estates

SAMPLE #5

I.D. Number: 2104350
System Name: Lakeview Villa ←

SAMPLES #6 and #7

I.D. Number: 2041320
System Name: Geneva Lake Estates

SAMPLES #8 and #9

I.D. Number: 2100912
System Name: Postmasters Village

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
PO Box 705
Keystone, FL 32656

Date Reported: Feb19 1991

PO Number: Clay/Bradford

PO Number:

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 1-5

Date Received:

Jan24 1991

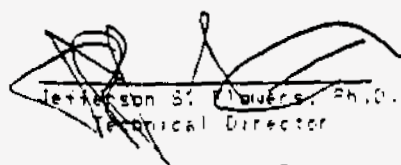
Lab Number : 16080

REPORT OF ANALYSIS

Parameter	Unit	Method			16080
		Detection	%ACC	%PRC	
		Limit			
Ethylene dibromide	mg/L	0.000005	91.6	5.28	<0.000005
Para-dichlorobenzene	mg/L	0.001	95.7	1.65	<0.001
Vinyl chloride	mg/L	0.001	96.2	1.51	<0.001
1,1-dichloroethene	mg/L	0.001	95.2	1.78	<0.001
1,2-dichloroethane	mg/L	0.001	90.7	1.78	<0.001
1,1,1-trichloroethane	mg/L	0.001	95.2	1.78	<0.001
Carbon tetrachloride	mg/L	0.001	96.2	1.51	<0.001
Trichloroethene	mg/L	0.001	96.2	1.51	<0.001
Tetrachloroethene	mg/L	0.001	94.3	2.04	<0.001
Benzene	mg/L	0.001	87.1	1.52	<0.001
Chloromethane	mg/L	0.001	103	2.04	<0.001
Dichlorodifluorometh	mg/L	0.001	89.0	1.994	<0.001
Bromomethane	mg/L	0.001	103	2.04	<0.001
Chloroethane	mg/L	0.001	95.2	2.05	<0.001
Trichlorofluorometha	mg/L	0.001	89.0	1.994	<0.001
trans-1,3-dichlorop	mg/L	0.001	88.2	1.481	<0.001
cis-1,3-dichloroprop	mg/L	0.001	90.8	1.32	<0.001
Methyl-tert-butyleth	mg/L	0.001	101	1.871	<0.001
cis-1,2-dichloroeth	mg/L	0.001	90.8	1.32	<0.001
Dibromomethane	mg/L	0.001	103	2.04	<0.001
1,1-dichloropropene	mg/L	0.001	96.1	2.9	<0.001
1,3-dichloropropane	mg/L	0.001	88.2	1.481	<0.001
1,2,3-trichloropropa	mg/L	0.001	102	4.20	<0.001
2,2-dichloropropane	mg/L	0.001	95.2	2.05	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	102	4.20	<0.001
Chloroform	mg/L	0.001	89.7	1.56	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 3

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FLORIDA 32715-0997
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FAX (407) 260-4110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
PO Box 705
Keystone, FL 32656

Date Reported: Feb19 1991

PO Number: Clay/Bradford

PO Number
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 1-3

Date Received:

Jan24 1991

Lab Number : 16080

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16080
Bromoform	mg/L	0.001	97.5	2.22	<0.001
Bromodichloromethane	mg/L	0.001	91.6	1.68	<0.001
Dibromochloromethane	mg/L	0.001	98.4	2.09	<0.001
p-xylene	mg/L	0.001	91.6	1.68	<0.001
Methylene chloride	mg/L	0.001	103	2.04	<0.001
o-chlorotoluene	mg/L	0.001	87.6	1.1	<0.001
p-chlorotoluene	mg/L	0.001	105	2.79	<0.001
m-dichlorobenzene	mg/L	0.001	91.6	1.96	<0.001
o-dichlorobenzene	mg/L	0.001	93.7	3.86	<0.001
1,1-dichloroethane	mg/L	0.001	82.9	1.48	<0.001
trans-1,2-dichloroet	mg/L	0.001	92.4	0.8	<0.001
1,2-dichloropropane	mg/L	0.001	92.1	0.60	<0.001
1,1,2-trichloroethan	mg/L	0.001	97.7	2.14	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	89.8	1.1	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	92.5	1.34	<0.001
Chlorobenzene	mg/L	0.001	92.3	0.265	<0.001
Toluene	mg/L	0.001	105	2.79	<0.001
Ethylbenzene	mg/L	0.001	87.2	2.01	<0.001
Bromobenzene	mg/L	0.001	92.3	0.265	<0.001
m-xylene	mg/L	0.001	91.6	1.68	<0.001
Styrene	mg/L	0.001	105	2.79	<0.001
o-xylene	mg/L	0.001	91.6	1.68	<0.001
Dalapon	mg/L	0.000001	122	12.0	<0.000001
Oxamyl (Oxdate)	mg/L	0.002	89.5	3.16	<0.002
Simazine	mg/L	0.007	101	0.83	<0.007
Picloram	mg/L	0.00007	106	3.61	<0.00007

Data Release Authorization

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Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 3 of 8

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FLORIDA 32715-0587
TEL: (407) 330-6984
FAX: (407) 260-6110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
PO Box 705
Keystone, FL 32656

Date Reported: Feb19 1991

PO Number: Clay/Bradford

PO Number

FDHRS Lab# : 83139
FOER Lab# : E83018
NCDEHR Lab# : 296
SCDHEC Lab# : 94019

For: 1-5

Date Received:

Jan24 1991

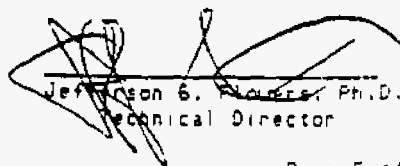
Lab Number : 16080

REPORT OF ANALYSIS

					16080
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Dinoseb	mg/L	0.00001	118	10.0	<0.00001
Aldicarb sulfoxide	mg/L	0.002	95.0	2.23	<0.002
Aldicarb sulfone	mg/L	0.002	100	3.16	<0.002
Metolachlor	mg/L	0.0005	108	4.40	<0.0005
Carbofuran	mg/L	0.001	96.0	1.06	<0.001
Aldicarb	mg/L	0.002	97.7	2.04	<0.002
Atrazine	mg/L	0.002	101	0.7	<0.002
Alachlor (Lasso)	mg/L	0.0002	107	3.91	<0.0002
Heptachlor	mg/L	0.000005	107	3.99	<0.000005
Aldrin	mg/L	0.00007	109	5.35	<0.00007
Dieldrin	mg/L	0.00001	107	4.3	<0.00001
Dicamba	mg/L	0.00001	128	15.1	<0.00001
Chlordane	mg/L	0.00001	99.0	0.58	<0.00001
Pentachlorophenol	mg/L	0.005	90.8	5.60	<0.005
Hexachlorocyclopenta	mg/L	0.001	91.4	5.2	<0.001
Dioxin	mg/L	0.00001	97.7	3.8	<0.00001
Isophorone	mg/L	0.001	99	1.4	<0.001
2,4-dinitrotoluene	mg/L	0.001	103	3.5	<0.001
Dimethylphthalate	mg/L	0.001	100	0.3	<0.001
Diethylphthalate	mg/L	0.001	98.6	2	<0.001
Di-n-butylphthalate	mg/L	0.001	101	0.8	<0.001
Butyl benzyl phthala	mg/L	0.001	97.7	3.4	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	99.2	1.1	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.7	0.4	<0.001
PCB-1016	mg/L	0.0001	99.2	3.7	<0.0001
PCB-1221	mg/L	0.0001	93.5	4	<0.0001

Data Release Authorization

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Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson G. Flowers, Ph.D.
Technical Director

Page 5 of 8

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FLORIDA 32715-0597
TEL: (407) 339-8064
FAX: (407) 280-6110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
PO Box 705
Keystone, FL 32656

Date Reported: Feb19 1991

PO Number: Clay/Bradford

PO Number

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 1-5

Date Received:

Jan24 1991

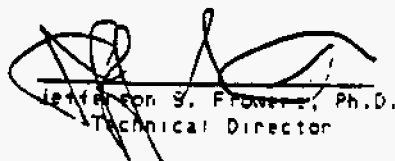
Lab Number : 16080

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	16080
					Detection Limit
PCB-1232	mg/L	0.0001	96.0	2.4	<0.0001
PCB-1242	mg/L	0.0001	93.0	4.2	<0.0001
PCB-1248	mg/L	0.0001	99.7	3.4	<0.0001
PCB-1254	mg/L	0.0001	106	3.2	<0.0001
PCB-1260	mg/L	0.0001	94.0	3.7	<0.0001
Diethylphthalate	mg/L	0.001	98.9	1.6	<0.001
2-chlorophenol	mg/L	0.001	101	2.1	<0.001
2-methyl-4,6-dinitrophenol	mg/L	0.001	106	7.5	<0.001
Phenol	mg/L	0.001	84.1	27	<0.001
2,4,6-trichlorophenol	mg/L	0.001	93.3	10	<0.001

Data Release Authorization

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Jefferson S. Flowers, Ph.D.
Technical Director

Page 7 of 8

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481 NEWBURYPORT
P.O. BOX 150-597
ALBANY, FLORIDA 32715-0597
TEL: (907) 339-8964
FAX: (907) 280-4110

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SGU
490 S. Lawrence Blvd.
Keywest, FL 32455

Date Reported: Apr 25 1991

PO Number: 891849

PO Number: SGU

FOHRS Lab# : 83137
FOER Lab# : E23018
HCDENR Lab# : 296
SCDHEC Lab# : 96017

For: 1,2,3,4,5

Date Received:

Apr 16 1991

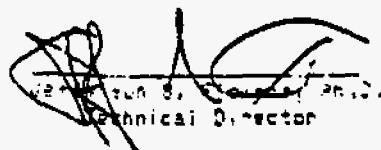
Lab Number: 16650

REPORT OF ANALYSIS

		16650				
Parameter	Unit	Method	WADO	MPDC		
		Detection				
		Limit				
Styrene dibromide	mg/L	0.000005	94.9	7.18	<0.000005	
Para-dichlorobenzene	mg/L	0.001	118	1.42	<0.001	
Vinyl chloride	mg/L	0.001	106	2.56	<0.001	
1,1-dichloroethene	mg/L	0.001	100	2.56	<0.001	
1,2-dichloroethane	mg/L	0.001	111	1.66	<0.001	
1,1,1-trichloroethane	mg/L	0.001	102	1.67	<0.001	
Carbon tetrachloride	mg/L	0.001	103	2.16	<0.001	
Trichloroethene	mg/L	0.001	100	1.54	<0.001	
Tetrachloroethene	mg/L	0.001	100	1.98	<0.001	
Benzene	mg/L	0.001	104	1.73	<0.001	

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Technical Director

Page 1 of 2

JOHN L. FLOWERS, P.E.
JOHN L. FLOWERS, P.E.
481 NEWELL/THORNTON
P.O. BOX 150-597
ALACHUA SPRINGS
FLORIDA 32715-0597
TEL (407) 336-2984
FAX (407) 336-6110

Volatile Organic Analysis
17-550.510(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result (mg/L)	Analysis Method	Det. Limit Used	Analysis Date
2946	Ethylene dibromide	16650	.00002	<.000005	EPA504.1	.000005	4/23/91
2969	Para-dichlorobenzene	16650	.075	<0.001	EPA502.2	0.001	4/23/91
2976	Vinyl chloride	16650	0.001	<0.001	EPA502.2	0.001	4/23/91
2977	1,1-dichloroethene	16650	0.007	<0.001	EPA502.2	0.001	4/23/91
2980	1,2-dichloroethane	16650	0.003	<0.001	EPA502.2	0.001	4/23/91
2981	1,1,1-trichloroethane	16650	0.2	<0.001	EPA502.2	0.001	4/23/91
2982	Carbon tetrachloride	16650	0.003	<0.001	EPA502.2	0.001	4/23/91
2984	Trichloroethene	16650	0.003	<0.001	EPA502.2	0.001	4/23/91
2987	Tetrachloroethene	16650	0.003	<0.001	EPA502.2	0.001	4/23/91
2990	Benzene	16650	0.001	<0.001	EPA502.2	0.001	4/23/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System (D) Number: _____

Public Water System Name: Laurelview Village

Public Water System Type (check one):

☐ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 89138

Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Pesticide _____; Unregulated Organic Pesticide _____;

Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____

Laboratory Sample Number: 18850

Sample Location (be specific): _____

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☐ Compost

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Flow

☐ Well

☐ Resample

☐ Special

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date: 4/24/91

Laboratory Cont. Dr. J.S. Flowers

Resample Requested? (che) (Yes)

☐ No

ANALYSIS SUBMITTED: Turbidity _____; Inorganic _____; Trihalomethane _____;

Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;

Unregulated Organic Pesticide _____; Unregulated Organic Pesticide _____;

Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 4/24/91

DER /ACPHU Reviewing Official: _____

Mail Results to the
Appropriate DER or ACPHU Office: _____

PWSA.01 Sample Interpretation (check one):
Effective 08/01/91 ☐ Satisfactory ☐ Unsatisfactory

Attn:
Ken

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-TB, _____

FOUR	1.250	000012
FIVE	1.250	001120
SIX	1.250	000
SEVEN	1.250	00012

[illegible]

21. SAMPLE INFORMATION: SAMPLE DATE: MONTH 4 DATE 16 YEAR 91
 SAMPLE TYPE (check all applicable): () check, () regular distribution,
 () composite, () clearance, () max residence time, () plant tap,
 () raw, () well, () resample, () special
 SAMPLER'S NAME: K. Kurlin TITLE: Lead Operator PHONE: 904-473-4804
 SAMPLER'S SIGNATURE: K. Kurlin
 NOTES:
 Sample #1. WELL #1 KEYSTONE HEIGHTS I.D. # 2100610
 2. WELL #3 KEYSTONE HEIGHTS I.D. # 2100610
 3. WELL #1 KEYSTONE CLUB ESTATES I.D. # 2040412
 4. WELL #2 KEYSTONE CLUB ESTATES I.D. # 2040412
 5. WELL LAKEVIEW VILLA I.D. # 2104350 "OVER"

6) Parameter Group(s) Analyzed: Toxicity; Inorganic; Inhalation; Volatile Organic;
Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Pesticide;
Unregulated Organic Pesticide; Unregulated Base Heavy Extractable; Unregulated Acid Extractable;

Q 5) Laboratory Number
16650
16651

Q 5) Root Sample Identification

Q 6) Collector's Signature: K. Kulin

Q 7) Transcriber's Signature: [Signature]

Q 9) Lab Acceptance By: [Signature]

Date: 4-16-91

Time: 1:05



5
Keystone Heights Office

480 S. Lawrence Blvd.
Keystone Heights, FL 32856
(804) 473-4804

August 12, 1991

Ms. Vicki Singer
Florida Department of Environmental Regulation
N.E. District-- St. Johns River Subdistrict
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577

Dear Ms. Singer:

Please find enclosed the third quarter sampling results for VOC analyses. The results are as follows:

Lab Number 17330--

#1	Keystone Heights	Well #1
#2	Keystone Heights	Well #3
#3	Keystone Club Estates	Well #1
#4	Keystone Club Estates	Well #2
#5	Lakeview Villa	Well ←

Lab Number 17331

#6	Geneva Lake Estates	Well #1
#7	Geneva Lake Estates	Well #2
#8	Postmaster Village	Well #1
#9	Postmaster Village	Well #2

Sincerely,

William K. Kerlin
William K. Kerlin
Licensed Plant Operator

Enc. -2

11-11-11 11:15:11 TD
Ctkb #172

REVIEW

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
490 S. Lawrence Blvd.
KeystoneHghts, FL 326

Date Reported: Jul29 1991

PO Number: B91049

PO Number SSU

FDHRS Lab# : 83139

FDER Lab# : EB3018

NCDEH#IR Lab# : 296

SCDHEC Lab# : 96019

For: 1-5

Date Received:

Jul18 1991

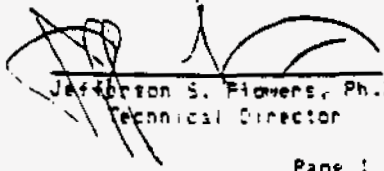
Lab Number : 17330

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17330
Ethylene dibromide	mg/L	0.000005	103	.835	<0.000005
Para-dichlorobenzene	mg/L	0.001	105	3.52	<0.001
Vinyl chloride	mg/L	0.001	90.3	4.80	<0.001
1,1-dichloroethene	mg/L	0.001	90.3	4.90	<0.001
1,2-dichloroethane	mg/L	0.001	93.1	4.47	<0.001
1,1,1-trichloroethane	mg/L	0.001	93.7	5.44	<0.001
Carbon tetrachloride	mg/L	0.001	87.3	6.87	<0.001
Trichloroethene	mg/L	0.001	94.9	4.29	<0.001
Tetrachloroethene	mg/L	0.001	98.4	4.40	<0.001
Benzene	mg/L	0.001	94.0	.073	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 2

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
451 NEWBURYPORT
P O BOX 150-597
ALABAMA SPRINGS
FLORIDA 32715-0597
BUS 407 328-5084
FAX 407 328-6110

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/l)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17330	.00002	<.000005	EPA504.1	.000005	7/24/91
2969	Para-dichlorobenzene	17330	.075	<0.001	EPA502.2	0.001	7/19/91
2976	Vinyl chloride	17330	0.001	<0.001	EPA502.2	0.001	7/19/91
2977	1,1-dichloroethene	17330	0.007	<0.001	EPA502.2	0.001	7/19/91
2980	1,2-dichloroethane	17330	0.003	<0.001	EPA502.2	0.001	7/19/91
2981	1,1,1-trichloroethane	17330	0.2	<0.001	EPA502.2	0.001	7/19/91
2982	Carbon tetrachloride	17330	0.003	<0.001	EPA502.2	0.001	7/19/91
2984	Trichloroethene	17330	0.003	<0.001	EPA502.2	0.001	7/19/91
2987	Tetrachloroethane	17330	0.003	<0.001	EPA502.2	0.001	7/19/91
2990	Benzene	17330	0.001	<0.001	EPA502.2	0.001	7/19/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Lakeview Village
Public Water System Type (check one):
☐ Common ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity _____; Inorganic _____; Trihalomethane _____;
Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;
Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;
Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;
Subcontracted Lab Certification Number (if any): _____

SAMPLE INFORMATION

Sample Date (MMDDYY): _____
Laboratory Sample Number: 17330
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composit
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: / /
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (che) Yes ☐ No ☒
ANALYSIS SUBMITTED: Turbidity _____; Inorganic _____; Trihalomethane _____;
Volatile Organic _____; Organic Chemical _____; Secondary Chemical _____; Radiological _____;
Unregulated Organic Purgeable _____; Unregulated Organic Pesticide _____;
Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 7/24/91

DER/ACPHU Reviewing Official: _____

Mail Results to the
Appropriate DER or ACPHU Office: _____

PWSA.01 Sample Interpretation (check one):
Effective 05/01/91 ☐ Satisfactory ☐ Unsatisfactory



Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURY PARK
P.O. BOX 150-597
ALAMONTIE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5981
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client SSU
Address 490 S. LAURENCE BLVD.
KEYSTONE HEIGHTS, FL 32650
Phone (904) 473-4804

Sampled By (PRINT):

Sampled by (Name): KEN KERLIN
Sampler Signature: [Signature]

Sampler Signature *Kenn Kullen* Date Sampled 7-17-51

FCL Client No.

FCL Project Manager *L. SEREC*

FCL Lab Coordinator S. NIELSEN

Requested Due Date:

P.O. Number

Project Name / No.

Contact *REU*

CARRIER		SAILERS		SHIP DATES		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME
OUT / DATE		RETURNED / DATE											
4PS		7/12/71				Ken Kerlin		7/12/71	9:25 AM	Brenda Guelchinsky		7/12/71	8:11

Red Prints / Red Print

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
SSU
490 S. Lawrence Blvd.
Keystone, FL 32656

Date Reported: Nov 8 1991
PO Number: HOLD REPORT
PO Number SSU Serv.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 1
Date Received:

Oct31 1991

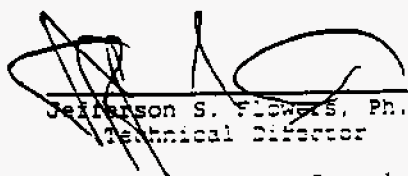
Lab Number : 18180

REPORT OF ANALYSIS

					18180
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	108	7.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	94.9	.792	<0.001
Vinyl chloride	mg/L	0.001	119	7.46	<0.001
1,1-dichloroethene	mg/L	0.001	119	7.46	<0.001
1,2-dichloroethane	mg/L	0.001	108	1.48	<0.001
1,1,1-trichloroethane	mg/L	0.001	114	.935	<0.001
Carbon tetrachloride	mg/L	0.001	115	10.7	<0.001
Trichloroethene	mg/L	0.001	108	3.52	<0.001
Tetrachloroethene	mg/L	0.001	107	2.33	<0.001
Benzene	mg/L	0.001	109	.956	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 2

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALAMONTE SPRINGS
FLORIDA 32715-0597
TEL (407) 336-5684
CAY (407) 252-1117

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18180	.00002	<.000005	EPA504.1	.000005	11/7/91
2969	Para-dichlorobenzene	18180	.075	<0.001	EPA502.2	0.001	10/31/91
2976	Vinyl chloride	18180	0.001	<0.001	EPA502.2	0.001	10/31/91
2977	1,1-dichloroethene	18180	0.007	<0.001	EPA502.2	0.001	10/31/91
2980	1,2-dichloroethane	18180	0.003	<0.001	EPA502.2	0.001	10/31/91
2981	1,1,1-trichloroethane	18180	0.2	<0.001	EPA502.2	0.001	10/31/91
2982	Carbon tetrachloride	18180	0.003	<0.001	EPA502.2	0.001	10/31/91
2984	Trichloroethene	18180	0.003	<0.001	EPA502.2	0.001	10/31/91
2987	Tetrachloroethene	18180	0.003	<0.001	EPA502.2	0.001	10/31/91
2990	Benzene	18180	0.001	<0.001	EPA502.2	0.001	10/31/91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: SEE ATTACHED CHAIN OF CUSTODY RECORD.

Public Water System Name: SEE ATTACHED.

Public Water System Type (check one):

☒ Community ☐ Non-community

☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 63139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MM/DD/YY):

Laboratory Sample Number: 18180

Sample Location (be specific): HOSE BIBB AT DISCHARGE SIDE OF PRESSURE TANK.

Sample Type (check all applicable):

☐ Check

☒ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☐ Well

☐ Resample

☐ Special

Sampler Name, Title: Ken Kurland - Operator II

904-473-4804

ANALYSIS INFORMATION

Extraction Date: 1/1/91

Laboratory Contact: Dr. J.S. Flowers

Resample Requested? (check one) ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☐; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Mail Results to the

Appropriate DER or ACPHU Office:

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 11/7/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

**CHEMICAL
LABORATORIES
INCORPORATED**

FOER	LA99	84015
FOHRS	LA99	87139
NOCHNWI	LA99	298
SCHEEC	LA99	95019

(1) Client S.S.U. services		(2) Address 490 S. Lawrence Blvd. Keystone Heights, FL 32656		(3) Phone (904) 473-4804	
(4) Public Drinking Water ID # LISTED Below		(5) Public Water System Name: LISTED Below			
(6) Project #		(8) Public Water System Type			
(7) PWS		(11) Community ☒ Non-Community ☐ Special Non-Community ☐			

Preservative										Plastic Containers					Glass Containers					NOTE:
1000	500	250	125	60	30	15	7.5	3.75	1.875	1000	500	250	125	60	30	15	7.5	3.75	1.875	(12) Turn Around Time:
																				10 Working Days: _____
																				5 Working Days: _____
																				3 Working Days: _____
																				1 Working Day: _____
																				Other: _____

(13) 21	(14) 9 wells - Please Comp. into 2 = samples.

(17) Kit Relinquished: <i>[Signature]</i>	(17) Date 10-30-91	(18) Kit Received: <i>K. Kurlin</i>	(19) Date 10-30-91
	(17) Time		(19) Time 1500 HRS.

(10) Parameter Group(s) Analyzed:		(11) Parameter(s) Analyzed:	
Organic Chemical	Secondary Chemical	Turbidity	Inorganic
Unregulated Organic Pesticide	Unregulated Base Neutral Extractable	Trihalomethane	Volatile Organic

(15) Laboratory Number

(11) Client Sample Identification

Tract/County Number	Tract Name	Section	Well #	Location
18180	PWS I.D. # 2100610	Well #1	KEYSTONE HEIGHTS	
	PWS I.D. # 2100610	Well #3	KEYSTONE HEIGHTS	
	PWS I.D. # 2040412	Well #1	KEYSTONE CWA ESTATES	
	PWS I.D. # 2040412	Well #2	KEYSTONE CWA ESTATES	
	PWS I.D. # 2104356	Well	LAKEVIEW VILLA	
18181	PWS I.D. # 2041320	Well #1	GENEVA LK. ESTATES	
	PWS I.D. # 2041320	Well #2	GENEVA LK. ESTATES	
	PWS I.D. # 2100712	Well #1	POSTMASTERS VILLAGE	
	PWS I.D. # 2100712	Well #2	POSTMASTERS VILLAGE	

(13) Collectors Signature:

(14) Transponder's Signature:

(15) Lead Acceptance By:

Date

Time:

10-31-91

10-31-51

10-31-91

1415 HRS.

2:20 PM

Over for numbered instructions.



ABC Research

p. o. box 1557 • gainesville, florida 32602 • phone 904-372-0436 • FAX (904) 378-6483

PUBLIC DRINKING WATER ANALYSIS REPORT Results of Analysis

Prepared For: SOUTHERN STATES UTILITIES

Date: NOV 29 1990

1000 COLOR PLACE
APOPKA FL 32703

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D Number: 2104350
Public Water System Name: LAKEVIEW VILLAS
Public Water System Type: COMMUNITY

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: DHRS/DER # 82135, EB2031
Parameter Group(s) Analyzed: INORGANIC ANALYSIS SECONDARY STANDARDS W/O FIELD PARAMETERS

SAMPLE INFORMATION

Sample Date: NOV 13 1990
Laboratory Sample Number: 14290*1
Sample Location: HOSE BIBB AT PRESSURE TANK
Sample Type(s): SPECIAL**
Sampler Name: K. KERLIN, Phone: (904) 473-4804

ANALYSIS INFORMATION

Extraction Date(s):
Laboratory Contact: Karen Hatfield
Resample Requested? NO

I do **HEREBY CERTIFY** that all data submitted are correct.

Signature Karen Hatfield Mail Results to the Appropriate
DER or ACPHU Office

Karen Hatfield
Manager Environmental Chemistry
ABC Research Corp.
Date: NOV 29 1990

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

Page #1



ABC Research

p. o. box 1557 • gainesville, florida 32602 • phone 804-372-0438 • FAX (804) 378-6483

INORGANIC ANALYSIS

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
1005	ARSENIC	14290#1	<.0020	EPA 206.3	0.002	11/20/90
1010	BARIUM	14290#1	<.050	EPA 208.2	0.05	11/20/90
1015	CADMIUM	14290#1	<.0010	EPA 213.2	0.001	11/15/90
1020	CHROMIUM	14290#1	<.0010	EPA 218.2	0.001	11/19/90
1025	FLUORIDE	14290#1	.13	EPA 340.2	0.10	11/14/90
1030	LEAD	14290#1	<.0030	EPA 239.2	0.003	11/14/90
1035	MERCURY	14290#1	<.0005	EPA 245.1	0.0005	11/21/90
1040	NITRATE NITROGEN	14290#1	.060	EPA 353.3	0.05	11/14/90
1045	SELENIUM	14290#1	<.0020	EPA 270.3	0.002	11/20/90
1050	SILVER	14290#1	<.0010	EPA 272.2	0.001	11/14/90
1052	SODIUM	14290#1	12	EPA 273	0.100	11/16/90

SECONDARY STANDARDS W/O FIELD PARAMETERS

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
1016	CALCIUM	14290#1	29	EPA 215.1	0.100	11/16/90
1017	CHLORIDE	14290#1	18	EPA 325.3	1.0	11/13/90
1022	COPPER	14290#1	<.025	EPA 220.1	0.025	11/15/90
1043	IRON	14290#1	.39	EPA 234.1	0.1000	11/14/90
1032	MANGANESE	14290#1	.025	EPA 243.1	0.010	11/19/90
1055	SULFATE	14290#1	< 1.0	EPA 375.4	1.0	11/13/90
1095	ZINC	14290#1	<.025	EPA 289.1	0.025	11/15/90
1905	COLOR IN COLOR UNITS	14290#1	10	EPA 110.2	5.00	11/13/90
1920	ODOR IN TON	14290#1	<1.0	EPA 140.1	1.00	11/13/90
1925	PH, IN PH UNITS	14290#1	7.4	EPA 150.1	NO D.L.	11/14/90
1927	ALKALINITY	14290#1	89	EPA 310.1	5.00	11/14/90
1930	TOTAL DISSOLVED SOLIDS	14290#1	160	EPA 160.2	5.00	11/14/90
1997	PHS IN INDEX UNITS	14290#1	8.0	SM 203	NO D.L.	11/28/90
1998	SATURATION INDEX IN INDEX UNITS	14290#1	-60	SM 203	NO D.L.	11/28/90
2909	FOAMING AGENTS, SURFACTANTS	14290#1	< .025	EPA 425.1	0.025	11/14/90



ABC Research

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PUBLIC DRINKING WATER ANALYSIS REPORT Results of Analysis

Prepared For: SOUTHERN STATES UTILITIES

Date: NOV 29 1990

1000 COLOR PLACE
APOPKA FL 32703

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D Number: 2104350
Public Water System Name: LAKEVIEW VILLAS
Public Water System Type: COMMUNITY

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: DHRS/DER # 82135, EB2031
Parameter Group(s) Analyzed: TURBIDITY ANALYSIS

SAMPLE INFORMATION

Sample Date: NOV 13 1990
Laboratory Sample Number: 14290*2
Sample Location: HOSE BIBB AT WELL
Sample Type(s): SPECIAL**
Sampler Name: K. KERLIN, Phone: (904) 473-4804

ANALYSIS INFORMATION

Extraction Date(s):
Laboratory Contact: Karen Hatfield
Resample Requested? NO

I do **HEREBY CERTIFY** that all data submitted are correct.

Signature Karen Hatfield

Mail Results to the Appropriate
DER or ACPHU Office

Karen Hatfield
- Manager Environmental Chemistry
ABC Research Corp.
Date: NOV 29 1990

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



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TURBIDITY ANALYSIS

Parameter ID	NME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
0100	TURBIDITY	14290*2	1.7	EPA 180.1	0.100	11/13/90



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PUBLIC DRINKING WATER ANALYSIS REPORT Results of Analysis

Prepared For: SOUTHERN STATES UTILITIES
KEN KERLIN
P.O. BOX 705
KEYSTONE HEIGHTS FL 32656

Date: DEC 12 1990

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D Number: 2104350
Public Water System Name: LAKEVIEW VILLAS
Public Water System Type: COMMUNITY

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: DHRS/DER # 82135, EB2031
Parameter Group(s) Analyzed: TURBIDITY ANALYSIS

SAMPLE INFORMATION

Sample Date: DEC 10 1990
Laboratory Sample Number: 14540*3
Sample Location: HOSE BIB AT WELL
Sample Type(s): RESAMPLE**
Sampler Name: K. KERLIN, Phone: (904) 473-4804

ANALYSIS INFORMATION

Extraction Date(s):
Laboratory Contact: Karen Hatfield
Resample Requested? NO

I do **HEREBY CERTIFY** that all data submitted are correct.

Signature Karen Hatfield

Mail Results to the Appropriate
DER or ACPHU Office

Karen Hatfield
Manager Environmental Chemistry
ABC Research Corp.
Date: DEC 12 1990

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory



ABC Research

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TURBIDITY ANALYSIS

Parameter ID	NAME	Sample Number	Analysis Result (nm)	Analytical Method	Det.Lt. Used	Analysis Date
0100	TURBIDITY	14540*3	.44	EPA 180.1	0.100	12/10/90



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PUBLIC DRINKING WATER ANALYSIS REPORT Results of Analysis

Prepared For: SOUTHERN STATES UTILITIES

Date: DEC 13 1990

1000 COLOR PLACE
APOPKA FL 32703

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D Number: 2104350
Public Water System Name: LAKEVIEW VILLA
Public Water System Type: COMMUNITY

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: DHRS/DER # 82135, E82031
Parameter Group(s) Analyzed: TURBIDITY ANALYSIS

SAMPLE INFORMATION

Sample Date: DEC 11 1990
Laboratory Sample Number: 14551*3
Sample Location: HOSE BIB AT WELL
Sample Type(s): RESAMPLE**
Sampler Name: K. KERLIN, Phone: (904) 473-4804

ANALYSIS INFORMATION

Extraction Date(s):
Laboratory Contact: Karen Hatfield
Resample Requested? NO

I do **HEREBY CERTIFY** that all data submitted are correct.

Signature Karen Hatfield

Mail Results to the Appropriate
DER or ACPHU Office

Karen Hatfield
Manager Environmental Chemistry
ABC Research Corp.
Date: DEC 13 1990

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

Page #1



ABC Research

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TURBIDITY ANALYSIS

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
0100	TURBIDITY	14551#3	.29	EPA 180.1	0.10	12/11/90



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PUBLIC DRINKING WATER ANALYSIS REPORT Results of Analysis

Prepared For: SOUTHERN STATES UTILITIES

Date: DEC 18 1990

1000 COLOR PLACE
APOPKA FL 32703

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D Number: 2104350
Public Water System Name: LAKEVIEW VILLAS
Public Water System Type: COMMUNITY

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: DHRS/DER # 82135, E82031
Parameter Group(s) Analyzed: IRON

SAMPLE INFORMATION

Sample Date: DEC 10 1990
Laboratory Sample Number: 14541*2
Sample Location: HOSE BIB AT PRESSURE TANK
Sample Type(s): RESAMPLE**
Sampler Name: K. KERLIN, Phone: (904) 473-4804

ANALYSIS INFORMATION

Extraction Date(s):
Laboratory Contact: Karen Hatfield
Resample Requested? NO

I do **HEREBY CERTIFY** that all data submitted are correct.

Signature Karen Hatfield

Mail Results to the Appropriate
DER or ACPHU Office

Karen Hatfield
Manager Environmental Chemistry
ABC Research Corp.
Date: DEC 18 1990

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ABC Research

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IRON

Parameter		Sample	Analysis	Analytical	Det.Lt.	Analysis
ID	NAME	Number	Result (mg/L)	Method	Used	Date
1045	IRON	14541*2	1.1	EPA 236.1	0.100	12/12/90



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PUBLIC DRINKING WATER ANALYSIS REPORT Results of Analysis

Prepared For: SOUTHERN STATES UTILITIES

Date: DEC 18 1990

1000 COLOR PLACE
APOPKA FL 32703

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D Number: 2104350
Public Water System Name: LAKEVIEW VILLA
Public Water System Type: COMMUNITY

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: DHRS/DER # 82135, EB2031
Parameter Group(s) Analyzed: IRON

SAMPLE INFORMATION

Sample Date: DEC 11 1990
Laboratory Sample Number: 14552*2
Sample Location: HOSE BIB AT PRESSURE TANK
Sample Type(s): RESAMPLE**
Sampler Name: K. KERLIN, Phone: (904) 473-4804

ANALYSIS INFORMATION

Extraction Date(s):
Laboratory Contact: Karen Hatfield
Resample Requested? NO

I do **HEREBY CERTIFY** that all data submitted are correct.

Signature Karen Hatfield

Mail Results to the Appropriate
DER or ACPHU Office

Karen Hatfield
Manager Environmental Chemistry
ABC Research Corp.
Date: DEC 18 1990

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ABC Research

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IRON

Parameter		Sample	Analysis	Analytical	Det.Lt.	Analysis
ID	NAME	Number	Result, (mg/L)	Method	Used	Date
1045	IRON	14552#2	.39	EPA 236.1	0.100	12/12/90



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PUBLIC DRINKING WATER ANALYSIS REPORT Results of Analysis

Prepared For: SOUTHERN STATES UTILITIES

Date: DEC 18 1990

1000 COLOR PLACE
APOPKA FL 32703

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D Number: 2104350
Public Water System Name: LAKEVIEW VILLAS
Public Water System Type: COMMUNITY

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: DHRS/DER # 82135, EB2031
Parameter Group(s) Analyzed: IRON

SAMPLE INFORMATION

Sample Date: DEC 12 1990
Laboratory Sample Number: 14566*2
Sample Location: HOSE BIB AT PRESSURE TANK
Sample Type(s): RESAMPLE**
Sampler Name: K. KERLIN, Phone: (904) 473-4804

ANALYSIS INFORMATION

Extraction Date(s):
Laboratory Contact: Karen Hatfield
Resample Requested? NO

I do **HEREBY CERTIFY** that all data submitted are correct.

Signature Karen Hatfield

Mail Results to the Appropriate
DER or ACPHU Office

Karen Hatfield
Manager Environmental Chemistry
ABC Research Corp.
Date: DEC 18 1990

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ABC Research

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IRON

Parameter		Sample	Analysis	Analytical	Det.Lt.	Analysis
ID	NAME	Number	Result,mg/L	Method	Used	Date
1045	IRON	14566+2	.84	EPA 236.1	0.100	12/13/90



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PUBLIC DRINKING WATER ANALYSIS REPORT Results of Analysis

Prepared For: SOUTHERN STATES UTILITIES
KEN KERLIN
P.O. BOX 705
KEYSTONE HEIGHTS FL 32656

Date: DEC 18 1990

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D Number: 2104350
Public Water System Name: LAKEVIEW VILLAS
Public Water System Type: COMMUNITY

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: DHRS/DER # 82135, EB2031
Parameter Group(s) Analyzed: INORGANIC ANALYSIS SECONDARY STANDARDS W/O FIELD PARAMETERS PHENOLPHTHALEIN ALKALINITY CARBON DIOXIDE

SAMPLE INFORMATION

Sample Date: NOV 13 1990
Laboratory Sample Number: 14290*1
Sample Location: HOSE BIBB AT PRESSURE TANK
Sample Type(s): SPECIAL**
Sampler Name: K. KERLIN, Phone: (904) 473-4804

ANALYSIS INFORMATION

Extraction Date(s):
Laboratory Contact: Karen Hatfield
Resample Requested? NO

I do ~~HEREBY~~ CERTIFY that all data submitted are correct.

Signature Karen Hatfield

Mail Results to the Appropriate
DER or ACPHU Office

Karen Hatfield
Manager Environmental Chemistry
ABC Research Corp.
Date: DEC 18 1990

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

PHENOLPHTHALEIN ALKALINITY

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
1931	PHENOLPHTHALEIN ALKALINITY	1429001	CS.0	EPA 310.1	S	12/18/90

CARBON DIOXIDE

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
1901	CARBON DIOXIDE	1429001	BS	SK 406C	ND D.L.	12/18/90



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PUBLIC DRINKING WATER ANALYSIS REPORT Results of Analysis

Prepared For: SOUTHERN STATES UTILITIES

Date: DEC 18 1990

1000 COLOR PLACE
APOPKA FL 32703

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D Number: 2104350
Public Water System Name: LAKEVIEW VILLAS
Public Water System Type: COMMUNITY

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: DHRS/DER # 82135, E82031
Parameter Group(s) Analyzed: INORGANIC ANALYSIS SECONDARY STANDARDS W/O FIELD PARAMETERS PHENOLPHTHALEIN ALKALINITY CARBON DIOXIDE

SAMPLE INFORMATION

Sample Date: NOV 13 1990
Laboratory Sample Number: 14290*1
Sample Location: HOSE BIBB AT PRESSURE TANK
Sample Type(s): SPECIAL**
Sampler Name: K. KERLIN, Phone: (904) 473-4804

ANALYSIS INFORMATION

Extraction Date(s):
Laboratory Contact: Karen Hatfield
Resample Requested? NO

I do **HEREBY CERTIFY** that all data submitted are correct.

Signature Karen Hatfield

Mail Results to the Appropriate
DER or ACPHU Office

- Karen Hatfield
Manager Environmental Chemistry
ABC Research Corp.
Date: DEC 18 1990

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory



ABC Research

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INORGANIC ANALYSIS

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
1005	ARSENIC	14290#1	<.0020	EPA 206.3	0.002	11/20/90
1010	BARIUM	14290#1	<.050	EPA 208.2	0.05	11/20/90
1015	CADMIUM	14290#1	<.0010	EPA 213.2	0.001	11/15/90
1020	CHROMIUM	14290#1	<.0010	EPA 218.2	0.001	11/19/90
1025	FLUORIDE	14290#1	.13	EPA 340.2	0.10	11/14/90
1030	LEAD	14290#1	<.0030	EPA 239.2	0.003	11/14/90
1035	MERCURY	14290#1	<.0005	EPA 245.1	0.0005	11/21/90
1040	NITRATE NITROGEN	14290#1	.060	EPA 353.3	0.05	11/14/90
1045	SELENIUM	14290#1	<.0020	EPA 270.3	0.002	11/20/90
1050	SILVER	14290#1	<.0010	EPA 272.2	0.001	11/14/90
1052	SODIUM	14290#1	12	EPA 273	0.100	11/16/90

SECONDARY STANDARDS W/O FIELD PARAMETERS

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
1016	CALCIUM	14290#1	29	EPA 215.1	0.100	11/16/90
1017	CHLORIDE	14290#1	18	EPA 325.3	1.0	11/13/90
1022	COPPER	14290#1	<.025	EPA 220.1	0.025	11/15/90
1045	IRON	14290#1	.39	EPA 236.1	0.1000	11/14/90
1032	MANGANESE	14290#1	.025	EPA 243.1	0.010	11/19/90
1055	SULFATE	14290#1	< 1.0	EPA 375.4	1.0	11/13/90
1095	ZINC	14290#1	<.025	EPA 289.1	0.025	11/15/90
1905	COLOR IN COLOR UNITS	14290#1	10	EPA 110.2	5.00	11/13/90
1920	ODOR IN TON	14290#1	<1.0	EPA 140.1	1.00	11/13/90
1925	PH, IN PH UNITS	14290#1	7.4	EPA 150.1	NO D.L.	11/14/90
1927	ALKALINITY	14290#1	89	EPA 310.1	5.00	11/14/90
1930	TOTAL DISSOLVED SOLIDS	14290#1	160	EPA 160.2	5.00	11/14/90
1977	PHS IN INDEX UNITS	14290#1	8.0	SM 203	NO D.L.	11/28/90
1998	SATURATION INDEX IN INDEX UNITS	14290#1	-60	SM 203	NO D.L.	11/28/90
2909	FOAMING AGENTS, SURFACTANTS	14290#1	<.025	EPA 425.1	0.025	11/14/90

PHENOLPHTHALEIN ALKALINITY

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
1931	PHENOLPHTHALEIN ALKALINITY	14290#1	<5.0	EPA 310.1	5	12/18/90



ABC Research

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CARBON DIOXIDE

Parameter ID	NAME	Sample Number	Analysis Result	Analytical Method	Det.Lt. Used	Analysis Date
1901	CARBON DIOXIDE	14290#1	85	SH 406C	NO D.L.	12/18/90

ABC Research

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POTABLE WATER SAMPLE ANALYSIS SUMMARY INFORMATION

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: NOT GIVEN
Public Water System Name: LAKEVIEW VILLAS
Public Water System Type (check one):
(x) Community () Non-community () Special Non-Community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 82135
Parameter Group(s) Analyzed: Primary Organics

SAMPLE INFORMATION

Sample Date (mm/dd/yy)-TIME: 11/06/89 - 13:40
Laboratory Sample Number: 27239-01
Sample Location (be specific): TWO INCH BLOW OFF ON WEST FLORAL RIDGE

Sample Type (check one):

() Check (X) Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well () Resample
() Special

SAMPLER & TITLE: KEN KERLIN, PLANT OPERATOR

Extraction Dates: EPA 504 - --/--/-- EPA 515 - 11/09/89
(method-date) EPA 505 - 11/16/89 EPA 625 - --/--/--

ANALYSIS INFORMATION

Laboratory Contact: KAREN HATFIELD
Resample Requested: () Yes (x) No
Analysis submitted: Trihalomethane-___ Volatile Organic-___
Organic Chemical-___ Unregulated Organic Purgeable-___
Unregulated Organic Pesticide-___ Unregulated Base Neutral
Extractable-___ Unregulated Acid Extractable-___
Check all analyses which apply

I do HEREBY CERTIFY that all data submitted are correct.

Karen Hatfield
Karen Hatfield
Manager Environmental Chemistry
A.B.C. Research

Mail Results to:

Date 11-27-89

DER/ACPHU Reviewing Official: _____
Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

ABC Research

p. o. box 1557 • gainesville, florida 32602 • phone 804-372-0436 • FAX (804) 378-6483

ORGANIC CHEMICAL ANALYSIS (PWS029) 11/15/89

ID#	Compound	Sample Number	Result mg/L	Analys. Method	DetLim mg/L	Date
2005	Endrin	27239-01	<0.0002	EPA 505	0.0002	11/21/89
2010	Lindane	27239-01	<0.0002	EPA 505	0.0002	11/21/89
2015	Methoxychlor	27239-01	<0.001	EPA 505	0.001	11/21/89
2020	Toxaphene	27239-01	<0.005	EPA 505	0.005	11/21/89
2105	2,4-D	27239-01	<0.001	EPA 515	0.001	11/15/89
2005	2,4,5-TP (Silvex)	27239-01	<0.001	EPA 515	0.001	11/15/89

Respectfully submitted for A.B.C. Research by

Karen Hatfield
Karen Hatfield-Manager Environmental Chemistry



Keystone Heights Office

480 S. Lawrence Blvd.
Keystone Heights, FL 32636
(904) 473-4804

January 10, 1991

Ms. Vicki Stanford
Florida Department of Environmental Regulation, N. E. District
St. Johns River Subdistrict
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7577

RE: Keystone Club Estates WIP 2040412
Geneva Lake Estates WIP 2041320
Lakeview Villa WIP 2104350

Dear Ms. Stanford:

Listed below are the results for field conductivity, field temperature, field dissolved oxygen and field pH for the above listed plants.

	<u>Cond.</u>	<u>Temp.</u>	<u>Dis. Oxy.</u>	<u>pH</u>
KCE	330	72°	5.4	7.4
GLE	530	72°	5.2	7.3
LVV	416	70°	4.4	7.4

Sincerely,

Ken Kerlin
Plant Operator

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
490 S. Lawrence Blvd.
Keystone, FL 32656

Date Reported: Jan10 1992

PO Number: HOLD REPORT

PO Number Lakeview Vill

FDHRS Lab# : 93139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: DIST.2* BLOW-OFF

Date Received:

Dec18 1991

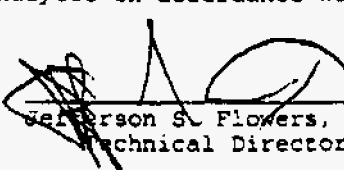
Lab Number : 18527

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	18527
		Detection			
		Limit			
Gross alpha incl. Ra	pCi/L	0.1			<0.1

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.



Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALZAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 338-8988
FAX: (407) 280-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Interview Villas
Public Water System Type (check one):
☐ () Common ☐ () Non-community ☐ () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ____; Inorganic ____; Trihalomethane ____;
Volatile Organic ____; Organic Chemical ____; Secondary Chemical ____; Radiological ____;
Unregulated Organic Purgeable ____; Unregulated Organic Pesticide ____;
Unregulated Base Neutral Extractable ____; Unregulated Acid Extractable ____;
Subcontracted Lab Certification Number For Radiological Parameters: HRS62138 Envir. Sci. &

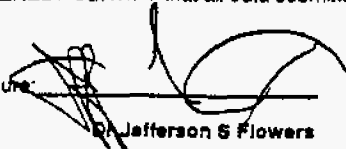
SAMPLE INFORMATION

Sample Date (MMDDYY): _____
Laboratory Sample Number: 18527
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ () Check ☐ () Regular Distribution ☐ () Compost
☐ () Clearance ☐ () Maximum Residence Time ☐ () Plant Tap
☐ () Raw ☐ () Well ☐ () Resample
☐ () Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION

Extraction Date: ____/____/____
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (che ☐ () Yes ☒ (X) No
ANALYSIS SUBMITTED: Turbidity ____; Inorganic ____; Trihalomethane ____;
Volatile Organic ____; Organic Chemical ____; Secondary Chemical ____; Radiological ____;
Unregulated Organic Purgeable ____; Unregulated Organic Pesticide ____;
Unregulated Base Neutral Extractable ____; Unregulated Acid Extractable ____;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 1/9/92

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ () Satisfactory ☐ () Unsatisfactory

Radiological Analysis
17-550.310(5)
(PWS033)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(pCi/L)	Analytical Method	Det.Limit Used	Analysis Date
4000	Gross alpha incl. Ra & U	18527	5	≤0.1	EPA900	0.1	1/9/92

Comments:

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 32231

FOR LAB USE ONLY
ID. NO. 12001
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DEC 5 4 09 PM '91

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Lakeview Villa SYSTEM I.D. NO: 2104350 RICHARD BERRY
ADDRESS: 410 P.O. Box 705 Keystone Hgts. COUNTY: Clay SYSTEM PHONE #: 472-4804
COLLECTOR: R. Rubin DER DISTRICT: II
COLLECTOR PHONE #: 472-4804
SAMPLE SITE (Locality or Subdivision): Lakeview Villa
DATE AND TIME COLLECTED: 12-5-91 10:50 A.M.
TYPE OF SUPPLY(Circle one): Community water system Noncommunity water system Nontransient - noncommunity water system
Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE(Circle one): Compliance Repeat Replacement Main clearance Well survey Other (Specify)
(Check Box) (Check Box)
[] Distribution [] TNC or C
[] Raw [] Turbid
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	ANALYSIS METHOD: <u>CF</u>	NTF	MHO-MUG	PA	
				SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
24	Well			UG1129		A		
25	2" Blow off on E. Front Ridge	0.3		UG1130		A		
26	2" Blow off on W. Front Ridge	0.3		UG1131		A		

* Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present
A - Coliforms are absent

C - Confluent growth
TNC - Too numerous to count

TA - Turbid, Absence of gas or acid

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

A.S.U. Luvic
P.O. Box 705
Keystone Heights, Fla.
32656

DEC 11 1991
Satisfactory
INCOMPLETE COLLECTION INFORMATION
REPEAT SAMPLES
REPLACEMENT SAMPLES

REVIEWING OFFICIAL: _____

TITLE: _____

Leilani Heights - 675

Martin County (SSU)

Water

- 1992 FPSC Filing -

Leilani Heights

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	8/90
Organic	8/90
Volatile Organic Chemicals	2/91
	5/91
	9/91
	12/91
Turbidity	8/90
Microbiological	12/91
Radionuclide	9/90
Secondary Contaminants	8/90
Unregulated Contaminants	8/90



ORLANDO LABORATORIES

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-08-221
Date Received: 08/16/90
Date Reported: 08/31/90
OLI Contact: E_HOBBS

Work ID: Leilani Heights #1
Total Samples: 5

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Well #1
02 P.O.E. Pressure Tank
03 DIST 1790 NE 24th St
04 Trip Blank
05 Method Blank

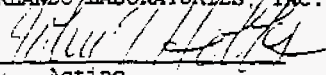
TEST CODES and NAMES used on this report
PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS034 Unreg-Organic Purgeable
PWS035 Unreg-Organic Pesticides
PWS036 Unreg-Base Neutral Extract
PWS037 Unreg-Acid Extractable

Copy of results to:

Southern States Utilities
Attn: Mel Fisher
1790 NE 24th Street
Jensen Beach, FL 34957

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Well #1
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Volatile Organic Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-350.310 (2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	08/18/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	08/17/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	08/17/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	08/17/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	08/17/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	08/17/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	08/17/90
2990 Benzene			0.0005 U	EPA 524	0.0005	08/17/90

Comments:

ISLAND LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Well #1
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Organic Chemical Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	08/21/90
2010 Lindane			0.00005 U	EPA 608	0.00005	08/21/90
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	08/21/90
2020 Toxaphene			0.00100 U	EPA 608	0.00100	08/21/90
2105 2,4-D			0.0020 U	EPA 615	0.0020	08/21/90
2110 2,4,5-TP (Silvex)			0.0010 U	EPA 615	0.0010	08/21/90

Comments:

IRLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Well #1
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane			0.00050	U	EPA 524	0.00050	08/17/90
2212 Dichlorodifluoromethane			0.00050	U	EPA 524	0.00050	08/17/90
2214 Bromomethane			0.00050	U	EPA 524	0.00050	08/17/90
2216 Chloroethane			0.00050	U	EPA 524	0.00050	08/17/90
2218 Trichlorofluoromethane			0.00050	U	EPA 524	0.00050	08/17/90
2224 trans-1,3-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2228 cis-1,3-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2251 Methyl tert-butyl ether			0.00050	U	EPA 524	0.00050	08/17/90
2380 cis-1,2-Dichloroethene			0.00050	U	EPA 524	0.00050	08/17/90
2406 Bromomethane			0.00050	U	EPA 524	0.00050	08/17/90
2410 1,1-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2412 1,1-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2414 1,1,1-Trichloropropane			0.00050	U	EPA 524	0.00050	08/17/90
2416 1,1-Dichloropropane			0.00050	U	EPA 524	0.00050	08/17/90
2931 1,2-dibromo-3-chloropropane			0.00020	U	EPA 504	0.00020	08/18/90
2941 Chloroform			0.00050	U	EPA 524	0.00050	08/17/90
2942 Bromoform			0.00050	U	EPA 524	0.00050	08/17/90
2943 Bromodichloromethane			0.00050	U	EPA 524	0.00050	08/17/90

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221
Continued From Above

SAMPLE ID Well #1
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloro methane	0.00050	U	EPA 524	0.00050	08/17/90
2962 para-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
2964 Methylene Chloride	0.00050	U	EPA 524	0.00050	08/17/90
2965 o-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
2966 p-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
2967 meta-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2968 o-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2978 1,1-Dichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2979 trans-1,2-Dichloro ethane	0.00050	U	EPA 524	0.00050	08/17/90
2993 1,2-Dichloropropane	0.00050	U	EPA 524	0.00050	08/17/90
2985 1,1,2-Trichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2986 1,1,1,2-Tetrachloro ethane	0.00050	U	EPA 524	0.00050	08/17/90
2988 1,1,2,2-Tetrachloro ethane	0.00050	U	EPA 524	0.00050	08/17/90
2989 Chlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2991 Toluene	0.00050	U	EPA 524	0.00050	08/17/90
2992 Ethylbenzene	0.00050	U	EPA 524	0.00050	08/17/90
2993 Bromobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2995 meta-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
2996 Styrene	0.00050	U	EPA 524	0.00050	08/17/90
2997 ortho Xylene	0.00050	U	EPA 524	0.00050	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Well #1
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Unreg-Organic Pesticides

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ug/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	08/21/90
2036 Oxamyl (Vydate)			0.00200 U	EPA 531	0.00200	08/20/90
2037 Simazine			0.00005 U	EPA 622	0.00005	08/21/90
2040 Pictoran			0.00100 U	EPA 615	0.00100	08/21/90
2041 Dinoseb			0.00200 U	EPA 615	0.00200	08/21/90
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	08/20/90
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	08/20/90
2045 Metolachlor			0.00005 U	EPA 622	0.00005	08/21/90
2046 Carbofuran			0.00150 U	EPA 531	0.00150	08/20/90
2047 Aldicarb			0.00100 U	EPA 531	0.00100	08/20/90
2050 Atrazine			0.00005 U	EPA 622	0.00005	08/21/90
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	08/21/90
2065 Heptachlor			0.00005 U	EPA 608	0.00005	08/21/90
2056 Aldrin			0.00005 U	EPA 608	0.00005	08/21/90
2064 Dieldrin			0.00010 U	EPA 608	0.00010	08/21/90
2440 Dicamba			0.00200 U	EPA 615	0.00200	08/21/90
2059 Chlordane			0.00050 U	EPA 608	0.00050	08/21/90
2026 Pentachlorophenol			0.05000 U	EPA 625	0.05000	08/20/90

Comments:

DELANO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Well #1
DATE COLLECTED 08/15/90 16:00:00
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	U	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclopentadiene			0.01000	U	EPA 625	0.01000	08/20/90
2053 Dioxin			0.01000	U	EPA 625	0.01000	08/20/90
2262 Isophorone			0.01000	U	EPA 625	0.01000	08/20/90
2270 2,4-dinitrotoluene			0.01000	U	EPA 625	0.01000	08/20/90
2282 Dimethylphthalate			0.01000	U	EPA 625	0.01000	08/20/90
2284 Diethylphthalate			0.01000	U	EPA 625	0.01000	08/20/90
2290 Diisobutylphthalate			0.01000	U	EPA 625	0.01000	08/20/90
2294 Butyl benzyl phthalate			0.01000	U	EPA 625	0.01000	08/20/90
2298 Bis(2-ethylhexyl) phthalate			0.01000	U	EPA 625	0.01000	08/20/90
2378 1,2,4-trichlorobenzene			0.01000	U	EPA 625	0.01000	08/20/90
2388 PCB-1015			0.00050	U	EPA 608	0.00050	08/20/90
2390 PCB-1001			0.00050	U	EPA 608	0.00050	08/20/90
2392 PCB-1032			0.00050	U	EPA 608	0.00050	08/20/90
2394 PCB-1042			0.00050	U	EPA 608	0.00050	08/20/90
2396 PCB-1048			0.00050	U	EPA 608	0.00050	08/20/90
2398 PCB-1054			0.00100	U	EPA 608	0.00100	08/20/90
2400 PCB-1060			0.00100	U	EPA 608	0.00100	08/20/90
2088 Diisobutylphthalate			0.01000	U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Well #1
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Unreg-Acid Extractable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9112 2-methyl-4,6-dinitro phenol	_____	_____	0.05000	U	EPA 625	0.05000	08/20/90
9115 Phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90
9116 2,4,6-trichloro- phenol	_____	_____	0.01000	U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 06/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-021

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Turbidity Analysis

SAMPLE# QCA
MATRIX WATER
TEST CODE PWS026

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID Name	Sample Number	Location Code	Analysis Result(NTU)	Analytical Method	Analysis Date
0100 Turbidity			<u>CL0</u>	<u>EPA 180.1</u>	<u>08/15/90</u>

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Inorganic Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			NOT ANALYZED	EPA 206.2	0.010	-----
1010 Barium			NOT ANALYZED	EPA 200.7	0.100	-----
1015 Cadmium			NOT ANALYZED	EPA 213.2	0.005	-----
1020 Chromium			NOT ANALYZED	EPA 218.2	0.010	-----
1025 Fluoride			NOT ANALYZED	EPA 340.2	0.1	-----
1030 Lead			NOT ANALYZED	EPA 239.2	0.010	-----
1035 Mercury			NOT ANALYZED	EPA 245.1	0.0005	-----
1040 Nitrate (as N)			NOT ANALYZED	EPA 352.2	0.03	-----
1045 Selenium			NOT ANALYZED	EPA 270.2	0.005	-----
1050 Silver			NOT ANALYZED	EPA 272.2	0.010	-----
1055 Sodium			11.0	EPA 200.7	0.001	08/22/90

Comments:

IRLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			49.6	EPA 200.7	0.1	08/22/90
1017 Chloride			21	SM 407	1.0	08/21/90
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	08/22/90
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			NOT ANALYZED			
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			<0.100	EPA 200.7	0.100	08/22/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	08/22/90
1055 Sulfate			27	EPA 375.4	1.0	08/21/90
1095 Zinc			<0.050	EPA 200.7	0.050	08/22/90
1301 Carbon Dioxide			2.7	SM 406 C	1.0	08/20/90
1305 Color (color units)			45.0	EPA 270.2	5 PCU	08/18/90
1315 Total Hardness			124	EPA 200.7	0.050	08/22/90
1317 NCH as CaCO3			NOT ANALYZED			
1320 Odor			1.0	EPA 140.1	1	08/18/90
1324 Field pH (units)			NOT ANALYZED			
1325 Lab pH (units)			7.86	EPA 150.1	N/A	08/18/90
1326 Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-201
Continued From Above

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 18:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 00A
MATRIX WATER
TEST CODE PWS031

*** Continued from above***
SECONDARY CHEMICAL ANALYSIS
17-550.200
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			100	EPA 310.1	2.0	08/16/90
1930 TDS			190	EPA 160.1	1.0	08/21/90
1931 Phenolphthalein Alk.			<2.0	EPA 310.1	2.0	08/18/90
1996 Field Temp. (C)			NOT ANALYZED			
1997 Langelier Index pHs			7.7	CALC	N/A	08/28/90
1998 Saturation Index			0.11	CALC	N/A	08/28/90
1999 Stability Index			7.6	CALC	N/A	08/28/90
2909 Foaming Agents			<0.10	EPA 425.1	0.1	08/18/90
9996 Field DO			NOT ANALYZED			
9997 Field Chlorine			NOT ANALYZED			

Comments:

IRLANDO LABORATORIES, INC.
Received: 08/15/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID DIST 1790 NE 24th St
DATE COLLECTED 08/15/90 13:00:00
TEST NAME Inorganic Analysis

SAMPLE# 03A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
PWS030

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Usec	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	08/24/90
1010 Barium			<0.100	EPA 200.7	0.100	08/22/90
1015 Cadmium			<0.005	EPA 213.2	0.005	08/22/90
1020 Chromium			<0.010	EPA 218.2	0.010	08/22/90
1025 Fluoride			<0.10	EPA 340.2	0.1	08/21/90
1030 Lead			<0.010	EPA 239.2	0.010	08/26/90
1035 Mercury			<0.0005	EPA 245.1	0.0005	08/22/90
1040 Nitrate (as N)			<0.03	EPA 352.2	0.03	08/23/90
1045 Selenium			<0.005	EPA 270.2	0.005	08/23/90
1050 Silver			<0.010	EPA 272.2	0.010	08/22/90
1052 Sodium			NOT ANALYZED	EPA 200.7	0.001	-----

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002 U	EPA 504	0.00002	08/18/90
2969 Para-dichlorobenzene			0.0005 U	EPA 524	0.0005	08/17/90
2976 Vinyl Chloride			0.0005 U	EPA 524	0.0005	08/17/90
2977 1,1-Dichloroethene			0.0005 U	EPA 524	0.0005	08/17/90
2980 1,2-Dichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2981 1,1,1-trichloroethane			0.0005 U	EPA 524	0.0005	08/17/90
2982 Carbon Tetrachloride			0.0005 U	EPA 524	0.0005	08/17/90
2984 Trichloroethene			0.0005 U	EPA 524	0.0005	08/17/90
2987 Tetrachloroethene			0.0005 U	EPA 524	0.0005	08/17/90
2990 Benzene			0.0005 U	EPA 524	0.0005	08/17/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310(2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	08/21/90
2010 Lindane			0.00005 U	EPA 608	0.00005	08/21/90
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	08/21/90
2020 Toxaphene			0.00100 U	EPA 608	0.00100	08/21/90
2105 2,4-D			0.0020 U	EPA 615	0.0020	08/21/90
2110 2,4,5-TP (Silvex)			0.0010 U	EPA 615	0.0010	08/21/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane			0.00050 U	EPA 524	0.00050	08/17/90
2212 Dichlorodifluoro methane			0.00050 U	EPA 524	0.00050	08/17/90
2214 Bromomethane			0.00050 U	EPA 524	0.00050	08/17/90
2216 Chloroethane			0.00050 U	EPA 524	0.00050	08/17/90
2218 Trichlorofluoro methane			0.00050 U	EPA 524	0.00050	08/17/90
2224 trans-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	08/17/90
2226 cis-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	08/17/90
2251 Methyl tert-butyl ether			0.00050 U	EPA 524	0.00050	08/17/90
2380 cis-1,2-Dichloro ethene			0.00050 U	EPA 524	0.00050	08/17/90
2408 Dibromomethane			0.00050 U	EPA 524	0.00050	08/17/90
2410 1,1-Dichloropropene			0.00050 U	EPA 524	0.00050	08/17/90
2412 1,3-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
2414 1,1,3-Trichloro propane			0.00050 U	EPA 524	0.00050	08/17/90
2416 2,2-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
2431 1,2-dibromo-2-chloro propane			0.00020 U	EPA 504	0.00020	08/18/90
2941 Chloroform			0.00050 U	EPA 524	0.00050	08/17/90
2942 Bromoform			0.00050 U	EPA 524	0.00050	08/17/90
2943 Bromodichloro methane			0.00050 U	EPA 524	0.00050	08/17/90

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221
Continued From Above

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloro methane	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2962 para-Xylene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2964 Methylene Chloride	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2965 o-Chlorotoluene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2966 p-Chlorotoluene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2967 meta-Dichlorobenzene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2968 o-Dichlorobenzene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2978 1,1-Dichloroethane	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2979 trans-1,2-Dichloro ethene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2983 1,2-Dichloropropane	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2985 1,1,2-Trichloroethane	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2986 1,1,1,2-Tetrachloro ethane	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2988 1,1,2,2-Tetrachloro ethane	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2989 Chlorobenzene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2991 Toluene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2992 Ethylbenzene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2993 Bromobenzene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2995 meta-Xylene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2996 Styrene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>
2997 ortho Xylene	_____	_____	<u>0.00050</u>	<u>U</u>	<u>EPA 524</u>	<u>0.00050</u>	<u>08/17/90</u>

Comments:

IRLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Pesticides

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	08/21/90
2036 Oxanil (Voate)			0.00200 U	EPA 531	0.00200	08/20/90
2037 Simazine			0.00005 U	EPA 622	0.00005	08/21/90
2040 Picloram			0.00100 U	EPA 615	0.00100	08/21/90
2041 Dinoseb			0.00200 U	EPA 615	0.00200	08/21/90
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	08/20/90
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	08/20/90
2045 Metolachlor			0.00005 U	EPA 622	0.00005	08/21/90
2046 Carbofuran			0.00150 U	EPA 531	0.00150	08/20/90
2047 Aldicarb			0.00100 U	EPA 531	0.00100	08/20/90
2050 Atrazine			0.00005 U	EPA 622	0.00005	08/21/90
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	08/21/90
2055 Heptachlor			0.00005 U	EPA 608	0.00005	08/21/90
2356 Aldrin			0.00005 U	EPA 608	0.00005	08/21/90
2364 Dieldrin			0.00010 U	EPA 608	0.00010	08/21/90
2440 Dicamba			0.00200 U	EPA 615	0.00200	08/21/90
2359 Chlordane			0.00050 U	EPA 608	0.00050	08/21/90
2325 Pentachloronphenol			0.05000 U	EPA 625	0.05000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-221

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclo- pentadiene			0.01000 U	EPA 625	0.01000	08/20/90
2063 Dioxin			0.01000 U	EPA 625	0.01000	08/20/90
2252 Isophorone			0.01000 U	EPA 625	0.01000	08/20/90
2270 2,4-dinitrotoluene			0.01000 U	EPA 625	0.01000	08/20/90
2282 Diethylphthalate			0.01000 U	EPA 625	0.01000	08/20/90
2284 Diethylphthalate			0.01000 U	EPA 625	0.01000	08/20/90
2290 Dibutylphthalate			0.01000 U	EPA 625	0.01000	08/20/90
2294 Butyl benzyl phthalate			0.01000 U	EPA 625	0.01000	08/20/90
2298 Bis(2-ethylhexyl) phthalate			0.01000 U	EPA 625	0.01000	08/20/90
2378 1,2,4-trichloro benzene			0.01000 U	EPA 625	0.01000	08/20/90
2368 PCB-1016			0.00050 U	EPA 608	0.00050	08/20/90
2390 PCB-1221			0.00050 U	EPA 608	0.00050	08/20/90
2392 PCB-1232			0.00050 U	EPA 608	0.00050	08/20/90
2394 PCB-1242			0.00050 U	EPA 608	0.00050	08/20/90
2396 PCB-1248			0.00050 U	EPA 608	0.00050	08/20/90
2398 PCB-1254			0.00100 U	EPA 608	0.00100	08/20/90
2400 PCB-1260			0.00100 U	EPA 608	0.00100	08/20/90
2089 Dioctylphthalate			0.01000 U	EPA 625	0.01000	08/20/90

Comments:



ORLANDO LABORATORIES

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-08-220
Date Received: 08-15-90
Date Reported: 08-21-90
OLI Contact: E_HOERS

Work ID: Leilani Heights #2
Total Samples: 5

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION

01 Well #2
02 P.O.E Pressure Tank
03 Dist. 1790 NE 24th St
04 Trip Blank
05 Method Blank

TEST CODES and NAMES used on this report

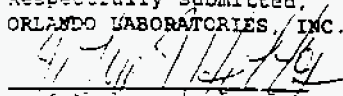
PWS026 Turbidity Analysis
PWS028 Volatile Organic Analysis
PWS029 Organic Chemical Analysis
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis
PWS034 Unreg-Organic Purgeable
PWS035 Unreg-Organic Pesticides
PWS036 Unreg-Base Neutral Extract
PWS037 Unreg-Acid Extractable

Copy of results to:

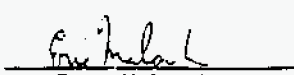
Southern States Utilities
Attn: Mel Fisher
1790 NE 24th Street
Jensen Beach, FL 34957

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 22141, Environmental Certification Number E22033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting/
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

FLAND LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Page 1
Work Order # 90-06-220

SAMPLE ID Well #2
DATE COLLECTED 08/15/90 18:30:00
TEST NAME Volatile Organic Analysis

SAMPLE#
MATRIX
TEST CODE
Q1A
WATER
PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (g)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
1346 Ethylene dibromide			0.00002	U	EPA 504	0.00002	08/16/90
1369 Paradichlorobenzene			0.0005	U	EPA 524	0.0005	08/17/90
1376 Vinyl Chloride			0.0005	U	EPA 524	0.0005	08/17/90
1377 1,1-Dichloroethene			0.0005	U	EPA 524	0.0005	08/17/90
1380 1,2-Dichloroethane			0.0005	U	EPA 524	0.0005	08/17/90
1391 1,1,1-trichloroethane			0.0005	U	EPA 524	0.0005	08/17/90
1382 Carbon Tetrachloride			0.0005	U	EPA 524	0.0005	08/17/90
1384 Trichloroethene			0.0005	U	EPA 524	0.0005	08/17/90
1387 Tetrachloroethene			0.0005	U	EPA 524	0.0005	08/17/90
1390 Benzene			0.0005	U	EPA 524	0.0005	08/17/90

Comments:

PLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220

SAMPLE ID Well #2
DATE COLLECTED 08/15/90 08:30:00
TEST NAME Organic Chemical Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310 (2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
0005 Endrin			0.00010	U EPA 608	0.00010	08/21/90
0010 Lindane			0.00005	U EPA 608	0.00005	08/21/90
0015 Methoxychlor			0.00050	U EPA 608	0.00050	08/21/90
0020 Toxaphene			0.00100	U EPA 608	0.00100	08/21/90
0105 2,4-D			0.0020	EPA 615	0.0020	08/21/90
0110 2,4,5-TP Sol. ex.			0.0010	EPA 615	0.0010	08/21/90

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-06-220

SAMPLE ID Well #2
DATE COLLECTED 08/15/90 18:30:00
TEST NAME Unregulated Organic Purgeable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result (ng/l)		Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane			0.00050	U	EPA 524	0.00050	08/17/90
2212 Dichlorodifluoromethane			0.00050	U	EPA 524	0.00050	08/17/90
2214 Bromomethane			0.00050	U	EPA 524	0.00050	08/17/90
2216 Chloroethane			0.00050	U	EPA 524	0.00050	08/17/90
2218 Trichlorofluoromethane			0.00050	U	EPA 524	0.00050	08/17/90
2224 trans-1,3-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2226 cis-1,3-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2234 Methyl tertbutyl ether			0.00050	U	EPA 524	0.00050	08/17/90
2330 cis-1,2-Dichloroethene			0.00050	U	EPA 524	0.00050	08/17/90
2408 Dichloromethane			0.00050	U	EPA 524	0.00050	08/17/90
2410 1,1-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2412 1,3-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2414 1,2-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2416 2,2-Dichloropropene			0.00050	U	EPA 524	0.00050	08/17/90
2331 1,2-Dichloro-3-chloropropene			0.00050	U	EPA 504	0.00050	08/20/90
2941 Chloroform			0.00050	U	EPA 524	0.00050	08/17/90
2942 Bromoform			0.00050	U	EPA 524	0.00050	08/17/90
2943 Bromodichloromethane			0.00050	U	EPA 524	0.00050	08/17/90

FLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-320
Continued From Above

SAMPLE ID Well #2
DATE COLLECTED 08/15/90 13:30:00
TEST NAME Unreg-Organic Purgeable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

1344 Dibromochloroethane	0.00050	U	EPA 524	0.00050	08/17/90
1352 para-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
1354 Methylene Chloride	0.00050	U	EPA 524	0.00050	08/17/90
1355 o-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
1356 p-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
1367 meta-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
1368 o-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
1378 1,1-Dichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
1379 trans-1,2-Dichloroethene	0.00050	U	EPA 524	0.00050	08/17/90
1383 1,2-Dichloropropane	0.00050	U	EPA 524	0.00050	08/17/90
1395 1,1,2-Trichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
1396 1,1,1,2-Tetrachloroethane	0.00050	U	EPA 524	0.00050	08/17/90
1398 1,1,1,2-Tetrachloroethane	0.00050	U	EPA 524	0.00050	08/17/90
1399 Chlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
1401 Toluene	0.00050	U	EPA 524	0.00050	08/17/90
1402 Ethylbenzene	0.00050	U	EPA 524	0.00050	08/17/90
1403 Bromobenzene	0.00050	U	EPA 524	0.00050	08/17/90
1405 meta-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
1406 Styrene	0.00050	U	EPA 524	0.00050	08/17/90
1407 ortho Xylene	0.00050	U	EPA 524	0.00050	08/17/90

Comments:

FLANDS LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220

SAMPLE ID Well #2
DATE COLLECTED 08/15/90 08:30:00
TEST NAME Unregulated Organic Pesticides

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
0031 Dalapon			0.00100 U	EPA 615	0.00100	08/21/90
0036 Exanyl (Vydate)			0.00200 U	EPA 531	0.00200	08/20/90
0037 Simazine			0.00005 U	EPA 622	0.00005	08/21/90
0040 Picloram			0.00100 U	EPA 615	0.00100	08/21/90
0041 Dinoseb			0.00200 U	EPA 615	0.00200	08/21/90
0043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	08/20/90
0044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	08/20/90
0045 Metolachlor			0.00005 U	EPA 622	0.00005	08/21/90
0046 Carbofuran			0.00150 U	EPA 531	0.00150	08/20/90
0047 Aldicarb			0.00100 U	EPA 531	0.00100	08/20/90
0050 Atrazine			0.00005 U	EPA 622	0.00005	08/20/90
0051 Atrazine (assay)			0.00005 U	EPA 622	0.00005	08/20/90
0055 Heptachlor			0.00005 U	EPA 608	0.00005	08/21/90
0056 Aldrin			0.00005 U	EPA 608	0.00005	08/21/90
0064 Dieldrin			0.00005 U	EPA 608	0.00005	08/21/90
0060 Dieldrin			0.00005 U	EPA 615	0.00005	08/21/90
0059 Chlordane			0.00050 U	EPA 608	0.00050	08/21/90
0065 Permethrin			0.05000 U	EPA 608	0.05000	08/20/90

Comments:

IRLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 10-08-220

SAMPLE ID Well #2
DATE COLLECTED 08/15/90 18:30:00
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410 (3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclopentadiene			0.01000 U	EPA 625	0.01000	08/20/90
2053 Dieldrin			0.01000 U	EPA 625	0.01000	08/20/90
2262 Isodrinone			0.01000 U	EPA 625	0.01000	08/20/90
2070 2,4-dinitrotoluene			0.01000 U	EPA 625	0.01000	08/20/90
2282 Diethylionthalate			0.01000 U	EPA 625	0.01000	08/20/90
2294 Diethylionthalate			0.01000 U	EPA 625	0.01000	08/20/90
2290 Diethylionthalate			0.01000 U	EPA 625	0.01000	08/20/90
2294 Butyl benzyl ionthalate			0.01000 U	EPA 625	0.01000	08/20/90
2296 Butyl benzyl ionthalate			0.01000 U	EPA 625	0.01000	08/20/90
2278 1,1,1-trichloro-2,2,2-trifluoroethane			0.01000 U	EPA 625	0.01000	08/20/90
2088 PCB-1008			0.00050 U	EPA 608	0.00050	08/20/90
2090 PCB-1001			0.00050 U	EPA 608	0.00050	08/20/90
2092 PCB-1011			0.00050 U	EPA 608	0.00050	08/20/90
2094 PCB-1014			0.00050 U	EPA 608	0.00050	08/20/90
2096 PCB-1014			0.00050 U	EPA 608	0.00050	08/20/90
2098 PCB-1014			0.00100 U	EPA 608	0.00100	08/20/90
2400 PCB-1020			0.00100 U	EPA 608	0.00100	08/20/90
2089 Diethylionthalate			0.01000 U	EPA 625	0.01000	08/20/90

Comments:

IRLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Page 1
Work Order # 90-08-C20

SAMPLE ID Well #2
DATE COLLECTED 08/15/90 18:30:00
TEST NAME Unreg-Acid Extractable

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol			0.01000	U	EPA 625	0.01000	08/20/90
9112 2-methyl-4,6-dinitro phenol			0.05000	U	EPA 625	0.05000	08/20/90
9115 Phenol			0.01000	U	EPA 625	0.01000	08/20/90
9116 2,4,6-trichloro- phenol			0.01000	U	EPA 625	0.01000	08/20/90

Comments:

BLAND LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-020

SAMPLE ID Flow Pressure Tank
DATE COLLECTED 08/15/90 16:30:00
TEST NAME Turbidity Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS026

TURBIDITY ANALYSIS
17-550.318(3)
(PWS026)

Parameter	Sample	Location	Analysis	Analytical	Analysis
ID Name	Number	Code	Result(NTU)	Method	Date
0100 Turbidity			<1.2	EPA 180.1	08/18/90

Comments:

IRLANDO LABORATORIES, INC.
Received: 03.15.90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-000

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 18:30:00
TEST NAME Inorganic Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			NOT ANALYZED	EPA 206.2	0.010	-----
1010 Barium			NOT ANALYZED	EPA 200.7	0.100	-----
1015 Cadmium			NOT ANALYZED	EPA 213.2	0.005	-----
1020 Chromium			NOT ANALYZED	EPA 218.2	0.010	-----
1025 Fluoride			NOT ANALYZED	EPA 340.2	0.1	-----
1030 Lead			NOT ANALYZED	EPA 239.2	0.010	-----
1035 Mercury			NOT ANALYZED	EPA 245.1	0.0005	-----
1040 Nitrate (as N)			NOT ANALYZED	EPA 352.2	0.02	-----
1045 Selenium			NOT ANALYZED	EPA 270.2	0.005	-----
1050 Silver			NOT ANALYZED	EPA 272.2	0.010	-----
1055 Sodium			15.0	EPA 200.7	0.001	08.22.90

Comments:

ALANCO LABORATORIES, INC.
Received: 08/15/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-020

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 18:30:00
EST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS031

SECONDARY CHEMICAL ANALYSIS
17-ES0.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016 Calcium			91.0	EPA 200.7	0.1	08/22/90
1017 Chloride			35	SM 407	1.0	08/21/90
1019 Carbonate CaCO3			NOT ANALYZED			
1021 Hydroxide CaCO3			NOT ANALYZED			
1022 Copper			<0.010	EPA 200.7	0.010	08/22/90
1023 Bicarbonate CaCO3			NOT ANALYZED			
1025 Fluoride			NOT ANALYZED			
1026 Bicarbonate HCO3			NOT ANALYZED			
1027 Hydrogen Sulfide			NOT ANALYZED			
1028 Iron			0.130	EPA 200.7	0.100	08/22/90
1031 Magnesium			NOT ANALYZED			
1032 Manganese			<0.050	EPA 200.7	0.050	08/22/90
1055 Sulfate			15	EPA 375.4	1.0	08/21/90
1095 Zinc			<0.050	EPA 200.7	0.050	08/22/90
1001 Carbon Dioxide			5.3	SM 405	1.0	08/22/90
1005 Chloride (mg/l) units			15.0	EPA 200.7	5.000	08/16/90
1015 Total Hardness			227	EPA 200.7	0.050	08/22/90
1017 Nitrate (mg/l)			NOT ANALYZED			
1020 Odor			1.0	EPA 140.1	1	08/18/90
1024 Field pH (units)			NOT ANALYZED			
1025 Lab pH (units)			7.59	EPA 150.1	N/A	08/18/90
1026 Field Conductivity			NOT ANALYZED			

HLAND LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220
Continued From Above

SAMPLE ID P.O.E. Pressure Tank
DATE COLLECTED 08/15/90 13:30:00
EST NAME Secondary Chem. Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE PWS031

*** Continued from above ***
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1927 Total Alkalinity			130	EPA 310.1	2.0	08/18/90
1930 TDS			250	EPA 160.1	1.0	08/21/90
1931 Phenolphthalein ALK.			<2.0	EPA 310.1	2.0	08/18/90
1996 Field Temp. (C)			NOT ANALYZED			
1997 Langlier Index pHs			7.2	CALC	N/A	08/28/90
1998 Saturation Index			0.39	CALC	N/A	08/28/90
1999 Stability Index			6.8	CALC	N/A	08/28/90
2909 Foaming Agents			<0.10	EPA 425.1	0.1	08/18/90
9996 Field DO			NOT ANALYZED			
9997 Field Chlorine			NOT ANALYZED			

Comments:

IRLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220

SAMPLE ID Dist. 1790 NE 34th St
DATE COLLECTED 08/15/90 13:30:00
TEST NAME Inorganic Analysis

SAMPLE# 03A
MATRIX WATER
TEST CODE PWS030

INORGANIC ANALYSIS
17-950.310(1)
PWS030

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			<0.010	EPA 206.2	0.010	08/24/90
1010 Barium			<0.100	EPA 200.7	0.100	08/24/90
1015 Cadmium			<0.005	EPA 213.2	0.005	08/22/90
1020 Chromium			<0.010	EPA 218.2	0.010	08/22/90
1025 Fluoride			<0.10	EPA 340.2	0.1	08/21/90
1030 Lead			<0.010	EPA 239.2	0.010	08/26/90
1035 Mercury			<0.0005	EPA 245.1	0.0005	08/22/90
1040 Nitrate (as N)			0.12	EPA 352.2	0.05	08/23/90
1045 Selenium			<0.005	EPA 270.2	0.005	08/22/90
1050 Silver			<0.010	EPA 272.2	0.010	08/22/90
1055 Sulfate			NOT ANALYZED	EPA 200.7	0.001	-----

Comments:

ORLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS028

VOLATILE ORGANIC ANALYSIS
17-550.310(2) (d)
(PWS028)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	U	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide			0.00002	U	EPA 504	0.00002	08/18/90
2959 Para-dichlorobenzene			0.0005	U	EPA 524	0.0005	08/17/90
2976 Vinyl Chloride			0.0005	U	EPA 524	0.0005	08/17/90
2977 1,1-Dichloroethene			0.0005	U	EPA 524	0.0005	08/17/90
2980 1,2-Dichloroethane			0.0005	U	EPA 524	0.0005	08/17/90
2981 1,1,1-trichloroethane			0.0005	U	EPA 524	0.0005	08/17/90
2982 Carbon Tetrachloride			0.0005	U	EPA 524	0.0005	08/17/90
2984 Trichloroethene			0.0005	U	EPA 524	0.0005	08/17/90
2987 Tetrachloroethene			0.0005	U	EPA 524	0.0005	08/17/90
2990 Benzene			0.0005	U	EPA 524	0.0005	08/17/90

Comments:

KLANDO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-020

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Organic Chemical Analysis

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS029

ORGANIC CHEMICAL ANALYSIS
17-550.310 (2) (a) (b)
(PWS029)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005 Endrin			0.00010 U	EPA 608	0.00010	08/21/90
2010 Lindane			0.00005 U	EPA 608	0.00005	08/21/90
2015 Methoxychlor			0.00050 U	EPA 608	0.00050	08/21/90
2020 Toxaphene			0.00100 U	EPA 608	0.00100	08/21/90
2105 2,4-D			0.00020 U	EPA 615	0.00020	08/21/90
2110 2,4,5-TP			0.0010 U	EPA 615	0.0010	08/21/90

Comments:

ISLAND LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unred-Organic Purgeable

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1210 Chloromethane			0.00050 U	EPA 524	0.00050	08/17/90
1212 Dichlorodifluoro methane			0.00050 U	EPA 524	0.00050	08/17/90
1214 Bromomethane			0.00050 U	EPA 524	0.00050	08/17/90
1216 Chloroethane			0.00050 U	EPA 524	0.00050	08/17/90
1218 Trichlorofluoro methane			0.00050 U	EPA 524	0.00050	08/17/90
1224 trans-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	08/17/90
1226 cis-1,3-Dichloro propene			0.00050 U	EPA 524	0.00050	08/17/90
1230 Methyl tert-butyl ether			0.00050 U	EPA 524	0.00050	08/17/90
1330 cis-1,2-Dichloro ethene			0.00050 U	EPA 524	0.00050	08/17/90
1402 Dibromomethane			0.00050 U	EPA 524	0.00050	08/17/90
1410 1,1-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
1412 1,3-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
1414 1,2,3-Trichloro propane			0.00050 U	EPA 524	0.00050	08/17/90
1416 1,2-Dichloropropane			0.00050 U	EPA 524	0.00050	08/17/90
1531 1,2-dibromo-3-chloro propane			0.00020 U	EPA 524	0.00020	08/20/90
1941 Chloroform			0.00050 U	EPA 524	0.00050	08/17/90
1942 Bromoform			0.00050 U	EPA 524	0.00050	08/17/90
1943 Bromodichloro methane			0.00050 U	EPA 524	0.00050	08/17/90

IRLAND LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220
Continued From Above

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS034

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

2944 Dibromochloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2952 para-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
2954 Methylene Chloride	0.00050	U	EPA 524	0.00050	08/17/90
2955 o-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
2956 p-Chlorotoluene	0.00050	U	EPA 524	0.00050	08/17/90
2957 meta-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2958 o-Dichlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2978 1,1-Dichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2979 trans-1,2-Dichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2982 1,2-Dichloropropane	0.00050	U	EPA 524	0.00050	08/17/90
2985 1,1,2-Trichloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2986 1,1,1,2-Tetrachloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2988 1,1,2,2-Tetrachloroethane	0.00050	U	EPA 524	0.00050	08/17/90
2989 Chlorobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2991 Toluene	0.00050	U	EPA 524	0.00050	08/17/90
2992 Ethylbenzene	0.00050	U	EPA 524	0.00050	08/17/90
2993 Bromobenzene	0.00050	U	EPA 524	0.00050	08/17/90
2995 meta-Xylene	0.00050	U	EPA 524	0.00050	08/17/90
2996 Styrene	0.00050	U	EPA 524	0.00050	08/17/90
2997 ortho-Xylene	0.00050	U	EPA 524	0.00050	08/17/90

Comments:

DALAMCO LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Pesticides

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS035

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(2)
(PWS035)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon			0.00100 U	EPA 615	0.00100	08/21/90
2036 Oxamyl (Vydate)			0.00200 U	EPA 531	0.00200	08/20/90
2037 Simazine			0.00005 U	EPA 622	0.00005	08/21/90
2040 Picloram			0.00100 U	EPA 615	0.00100	08/21/90
2041 Dinoseb			0.00200 U	EPA 615	0.00200	08/21/90
2043 Aldicarb sulfoxide			0.00200 U	EPA 531	0.00200	08/20/90
2044 Aldicarb sulfone			0.00200 U	EPA 531	0.00200	08/20/90
2045 Metolachlor			0.00005 U	EPA 622	0.00005	08/21/90
2046 Carbofuran			0.00150 U	EPA 531	0.00150	08/20/90
2047 Aldicarb			0.00100 U	EPA 531	0.00100	08/20/90
2050 Atrazine			0.00005 U	EPA 622	0.00005	08/21/90
2051 Alachlor (Lasso)			0.00005 U	EPA 622	0.00005	08/21/90
2065 Heptachlor			0.00005 U	EPA 608	0.00005	08/21/90
2066 Atrazine			0.00005 U	EPA 608	0.00005	08/21/90
2084 Dieldrin			0.00010 U	EPA 608	0.00010	08/21/90
2440 Dieldrin			0.00200 U	EPA 615	0.00200	08/21/90
2559 Dinoseb			0.00050 U	EPA 608	0.00050	08/21/90
2559 Pentachlorophenol			0.05000 U	EPA 625	0.05000	08/20/90

Comments:

IRLAND LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Base Neutral Extract

SAMPLE# 05A
MATRIX METHGD BLANK
TEST CODE PWS036

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID Name	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2042 Hexachlorocyclopentadiene			0.01000 U	EPA 625	0.01000	08/20/90
2063 Dioxin			0.01000 U	EPA 625	0.01000	08/20/90
2262 Isophorone			0.01000 U	EPA 625	0.01000	08/20/90
2270 2,4-dinitrotoluene			0.01000 U	EPA 625	0.01000	08/20/90
2282 Dimethylphthalate			0.01000 U	EPA 625	0.01000	08/20/90
2284 Diethylphthalate			0.01000 U	EPA 625	0.01000	08/20/90
2290 Dibutylphthalate			0.01000 U	EPA 625	0.01000	08/20/90
2294 Butyl benzyl phthalate			0.01000 U	EPA 625	0.01000	08/20/90
2298 Bis(2-ethylhexyl) phthalate			0.01000 U	EPA 625	0.01000	08/20/90
2376 1,2,4-trichlorobenzene			0.01000 U	EPA 625	0.01000	08/20/90
2386 PCB-1016			0.00050 U	EPA 608	0.00050	08/20/90
2390 PCB-1020			0.00050 U	EPA 608	0.00050	08/20/90
2392 PCB-1030			0.00050 U	EPA 608	0.00050	08/20/90
2394 PCB-1042			0.00050 U	EPA 608	0.00050	08/20/90
2396 PCB-1048			0.00050 U	EPA 608	0.00050	08/20/90
2398 PCB-1054			0.00100 U	EPA 608	0.00100	08/20/90
2400 PCB-1060			0.00100 U	EPA 608	0.00100	08/20/90
2088 Dioctylphthalate			0.01000 U	EPA 625	0.01000	08/20/90

Comments:

ISLAND LABORATORIES, INC.
Received: 08/16/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-08-220

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Acid Extractable

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE PWS037

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID Name	Sample Number	Location Code	Analysis Result(ng/l)		Analytical Method	Det. Lt. Used	Analysis Date
9109 2-chlorophenol			0.01000	U	EPA 625	0.01000	08/20/90
9112 2-methyl-4,6-dinitro phenol			0.05000	U	EPA 625	0.05000	08/20/90
9115 Phenol			0.01000	U	EPA 625	0.01000	08/20/90
9116 2,4,6-trichloro- phenol			0.01000	U	EPA 625	0.01000	08/20/90

Comments:

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-19-1990

LAB SAMPLE # : 9008229-01a
 ANALYSIS DATE : 08/18/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	66	66	64	64	3
COMMENTS :							

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	50	100	25	35	50	10

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-08-220
Page: 28

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Silver	<1	104	08/22/90	CFG
Barium	<1	103	08/22/90	BB
Cadmium	5	110	08/22/90	BB
Chromium	<1	108	08/22/90	BB
Sodium	<1	96	08/22/90	BB
Copper	1	103	08/22/90	BB
Iron	<1	108	08/22/90	BB
Manganese	<1	109	08/22/90	BB
Zinc	6	101	08/22/90	BB
Calcium	<1	95	08/22/90	BB
Selenium	<1	100	08/23/90	CFG
Mercury	<1	107	08/22/90	JSC
Arsenic	<1	93	08/24/90	CFG
Lead	<1	102	08/26/90	JSC
Sulfate	<1	100	08/21/90	RAW
Fluoride	<1	100	08/21/90	GZE
Chloride	<1	95	08/21/90	RAW
Odor	<1	NA	08/18/90	RAW
Color	<1	NA	08/18/90	RAW
TDS	<1	97	08/21/90	CM
MBAS	<1	110	08/18/90	CM
pH	<1	NA	08/18/90	RAW
Total Alkalinity	<1	99	08/18/90	RAW
Nitrate Nitrogen	<1	88	08/23/90	DR
Nitrite Nitrogen	<1	88	08/17/90	CM
Turbidity	<1	97	08/18/90	RAW

End of Report

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
Public Water System Name: Leilani Heights #2
Public Water System Type (check one):
☐ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141 Turbidity Analysis, Volatile Organics Analysis
Parameter Group(s) Analyzed: _____ Organic Chem.,
Subcontracted Lab Certification Number (if any): N/A Inorganics.,
Secondaries,
Unreg. Acid Extr.,
Unreg. Org. Purg.,
Unreg. Org. Pest.,
Unreg. B.M. Extr..

SAMPLE INFORMATION

Sample Date (MMDDYY): 08/15/90
Laboratory Sample Number: 90-08-220
Sample Location (be specific): _____
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Re-sample
☐ Special _____

Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): 08/17/90 (504), 08/20/90 (625,608), 08/21/90 (615)

Laboratory Contact: Eric Malarek

Re-sample Requested? (check one): ☐ Yes ☐ No

ANALYSES SUBMITTED: Turbidity _____; Inorganic _____; Trihalomethane _____; Volatile Organic _____; Organic Chemical _____;
Secondary Chemical _____; Radiological _____; Unregulated Organic Purgable _____; Unregulated Organic Pesticide _____;
Unregulated Base Neutral Extractable _____; Unregulated Acid Extractable _____; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature Eric Malarek

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date 9-4-90

Mail Results to the
Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD
(INSTRUCTIONS ON BACK)

Nº 05476

Page ____ of ____

[illegible]

ORIGINAL - 1 AM

1089

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU

1790 NE 24th St.
JensenBch, FL 34957

Date Reported: Mar 6 1991

PO Number: 108387

PO Number

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: Comp. Sample

Date Received:

Feb25 1991

Lab Number : 16371

REPORT OF ANALYSIS

					16371
Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	107	10.3	<0.000005
Para-dichlorobenzene	mg/L	0.001	90.3	.513	<0.001
Vinyl chloride	mg/L	0.001	118	3.04	<0.001
1,1-dichloroethene	mg/L	0.001	118	3.04	<0.001
1,2-dichloroethane	mg/L	0.001	94.4	.199	<0.001
1,1,1-trichloroethane	mg/L	0.001	97.3	.413	<0.001
Carbon tetrachloride	mg/L	0.001	104	.530	<0.001
Trichloroethene	mg/L	0.001	97.4	.666	<0.001
Tetrachloroethene	mg/L	0.001	96.8	.445	<0.001
Benzene	mg/L	0.001	94.9	2.52	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 2

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-397
ALAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443 0790

Public Water System Name: LEILANI HEADS

Public Water System Type (check one):

☒ Community ☐ Non-community

443-4014

ST LUCIE FALLS

☐ Special Non-community

443-1700

FOX RUN

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139

Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 02/21/91

Laboratory Sample Number: 16371

Sample Location (be specific): WELL HEADS

Sample Type (check all applicable):

☐ Check

☐ Regular Distribution

☒ Composite

☐ Clearance

☐ Maximum Residence Time

☐ Plant Tap

☐ Raw

☒ Well

☐ Resample

☐ Special

Sampler Name, Title Phone: MAK 1-14412 (334-5584)

ANALYSIS INFORMATION

Extraction Date: 02/21/91

Laboratory Cont. Dr. J.S. Flowers

Resample Requested? (check ☐ Yes

☒ No

ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;

Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;

Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;

Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 3/6/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):

Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS029)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	16371	.00002	<0.000005	EPA504.1	.000005	3/5/91
2969	Para-dichlorobenzene	16371	.075	<0.001	EPA502.2	0.001	3/5/91
2976	Vinyl chloride	16371	0.001	<0.001	EPA502.2	0.001	3/5/91
2977	1,1-dichloroethene	16371	0.007	<0.001	EPA502.2	0.001	3/5/91
2980	1,2-dichloroethane	16371	0.003	<0.001	EPA502.2	0.001	3/5/91
2981	1,1,1-trichloroethane	16371	0.2	<0.001	EPA502.2	0.001	3/5/91
2982	Carbon tetrachloride	16371	0.003	<0.001	EPA502.2	0.001	3/5/91
2984	Trichloroethene	16371	0.003	<0.001	EPA502.2	0.001	3/5/91
2987	Tetrachloroethene	16371	0.003	<0.001	EPA502.2	0.001	3/5/91
2990	Benzene	16371	0.001	<0.001	EPA502.2	0.001	3/5/91

Comments:

FDNR Lab 23010
FDNR Lab 03139
NCEIWR Lab 290
SCDHEC Lab 00010

1/12: Mel Fisher ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1) Client SSU		(2) Address 1792 NE 24th St Fort Lauderdale, FL 33305		(3) Phone 407 334-5584	
(4) Public Drinking Water ID #		(5) Public Water System Name:			
(6) Project #		(8) Public Water System Type			
(7) ID# 108387		(9) Community () Non-Community () Special Non-Community			

	Preservative		Plastic Containers					Glass Containers					NOTES:		
	HNO3	ZnOAC/NHON	60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L		2L	4L
9) 12															(8) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____

(10) Kit Relinquished [Signature]	(11) Date 2/21/91	(12) Kit Received [Signature]	(13) Date 2/21/91
	(14) Time		(15) Time

2) SAMPLE INFORMATION; SAMPLE DATE: MONTH FEB DATE 21 YEAR 1991
 SAMPLE TYPE (check all applicable); () check, () regular distribution
 () composite, () clearance, () max residence time, () plant tap,
 () raw, () well, () resample, () special
 SAMPLER'S NAME: MEL FISHER TITLE: AREA SUPERVISOR PHONE: 407 334-5584
 SAMPLER'S SIGNATURE: [Signature]

NOTES:

FISHERMAN'S HAVEN WELL
 FOX RUN WELL
 LELANI HEIGHTS WELLS #1 and #2
 ST. LUCIE FALLS WELLS #2 and #3

6 wells:

(13) Parameter Group(s) Analyzed:	Turbidity	Inorganic	Trichloromethane	Volatile Organic
	Organic Chemical	Secondary Chemical	Radiological	Unregulated Organic Pesticide
	Unregulated Organic Pesticide	Unregulated Base Neutral Extractable	Unregulated Acid Extractable	

(14) Laboratory Number

16371
16372

(15) Client Sample Identification

#1 L.H. #2, St. L. #2, Fox Run (pl. comp.)
 #2 Fisherman's Haven
 #3
 #4
 #5
 #6
 #7
 #8
 #9
 #10

(16) Collector's Signature:

(17) Transporter's Signature:

(18) Lab Acceptance (if):

[Signature] Date 2/21/91 Time 6 PM
 [Signature] 2/22/91 8 AM
 [Signature] 2/23/91 10:10

OVER FOR INSTRUCTIONS FOR COMPLETION

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1790 NE 24th St.
JensenBch, FL 34957

Date Reported: Jun 4 1991

PO Number: HOLD REPORT

PO Number Leilani Hgts

FDHRS Lab# : 83139

FDER Lab# : E83018

NCOEHR Lab# : 296

SCDHRC Lab# : 96019

For: WATER SAMPLE

Date Received:

May31, 1991

Lab Number : 17019

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	17019
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	95.1	6.83	10.000005
Para-dichlorobenzene	mg/L	0.001	104	1.994	10.001
Vinyl chloride	mg/L	0.001	118	17.9	10.001
1,1-dichloroethene	mg/L	0.001	118	17.9	10.001
1,2-dichloroethane	mg/L	0.001	104	1.847	10.001
1,1,1-trichloroethane	mg/L	0.001	102	1.74	10.001
Carbon tetrachloride	mg/L	0.001	86.8	12.0	10.001
Trichloroethene	mg/L	0.001	107	2.31	10.001
Tetrachloroethene	mg/L	0.001	106	3.07	10.001
Benzene	mg/L	0.001	95.5	11.8	10.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EIS approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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ALLAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5784
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-1700/443-0190/443-0192
Public Water System Name: Fish Run / Littleton / Fish Run / Fish Run / Fish Run / Fish Run
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY): 5/29/91
Laboratory Sample Number: 17019
Sample Location (be specific): WELLS + 17255
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☒ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☒ Flow ☐ Well ☐ Resample
☐ Special

Sampler Name, Title Phone: LOWELL FRIEDL CLEVELAND
427 321 2441

ANALYSIS INFORMATION

Extraction Date: 1/1
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (check) ☐ Yes ☒ No
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 6/4/91

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17019	.00002	<.000005	EPA504.1	.000005	6/3/91
2969	Para-dichlorobenzene	17019	.075	<0.001	EPA502.2	0.001	6/3/91
2976	Vinyl chloride	17019	0.001	<0.001	EPA502.2	0.001	6/3/91
2977	1,1-dichloroethene	17019	0.007	<0.001	EPA502.2	0.001	6/3/91
2980	1,2-dichloroethane	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2981	1,1,1-trichloroethane	17019	0.2	<0.001	EPA502.2	0.001	6/3/91
2982	Carbon tetrachloride	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2984	Trichloroethene	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2987	Tetrachloroethene	17019	0.003	<0.001	EPA502.2	0.001	6/3/91
2990	Benzene	17019	0.001	<0.001	EPA502.2	0.001	6/3/91

Comments:

FORM Lab 20010
FORM Lab 20129
INSTRUMENT Lab 200
SCHEM Lab 20010

ANALYTICAL & CONSULTING CHEMISTS
DIARY OF CUSTODY RECORD
DRINKING WATER 17-959

AHN: Lowell

(1) Client: SSL Services (Leilani Heights Water Dept)		(2) Address: 1790 N. 34th St Tucson, AZ 85717		(3) Phone: 407 334 5584	
(4) Public Drinking Water ID: NITES		(5) Public Water System Name: Leilani Heights			
(6) Project: 1		(8) Public Water System Type: ☒ Community ☐ Non-Community ☐ Special Non-Community			
(11) Date: 5/2/91		(12) Time: 10:20		(13) Received: 5/2/91	
(14) Date: 5/2/91		(15) Time: 10:20		(16) Date: 5/2/91	
(17) Time: 10:20		(18) Date: 5/2/91		(19) Time: 10:20	

SAMPLE INFORMATION: SAMPLE DATE: MONTH MAY DATE 30 YEAR 1991
SAMPLE TYPE (check all applicable): () check, () regular distribution
(X) composite, () clearance, () max residence time, () plant tap,
(X) raw, () well, () resample, () special

SAMPLER'S NAME: LOWELL POLK TITLE: OPERATOR PHONE: 334-5584

SAMPLER'S SIGNATURE: Lowell T. Polk

NOTES:

FOX RUN 10" 443-1700
LEILANI #1 443-0790
LEILANI #2 443-0790
FISHERMAN'S HAVEN 443-0442

Parameter Group(s) Analyzed: Turbidity, Inorganic, Nitrate/Nitrite, Volatile Organic, Organic Chemical, Secondary Chemical, Bacteriological, Unregulated Organic Pesticide, Unregulated Organic Pesticide, Unregulated Dose Neutral Extractable, Unregulated Acid Extractable

Laboratory Number

Client Sample Identification

17019	#1
	#2
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

Collector's Signature:

Lowell T. Polk

Date

5-2-91

Time

10:20 A

Transporter's Signature:

[Signature]

5/2/91

10:20

Lab Acceptance By:

[Signature]

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Received From:

SSU
1790 NE 24th St.
JensonBch, FL 34957

Date Reported: Sep23 1991

PO Number: L112391

PO Number SSU

FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE

Date Received:

Sep18 1991

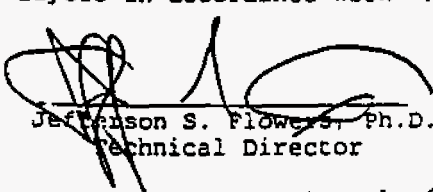
Lab Number : 17833

REPORT OF ANALYSIS

					17833
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	109	.921	<0.000005
Para-dichlorobenzene	mg/L	0.001	105	.761	<0.001
Vinyl chloride	mg/L	0.001	125	.777	<0.001
1,1-dichloroethene	mg/L	0.001	125	.777	<0.001
1,2-dichloroethane	mg/L	0.001	104	2.11	<0.001
1,1,1-trichloroethane	mg/L	0.001	117	.966	<0.001
Carbon tetrachloride	mg/L	0.001	116	1.63	<0.001
Trichloroethene	mg/L	0.001	110	.165	<0.001
Tetrachloroethene	mg/L	0.001	110	1.24	<0.001
Benzene	mg/L	0.001	112	.033	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-897
ALBANY, FLORIDA 32315-0897
FLORIDA 32315-0897
BUS (407) 339-5964
FAX (407) 339-5964

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-0442/443-0790/443-1700
Public Water System Name: FISHBONE HILLS / LAIRDALE HILLS / FOX RUN
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

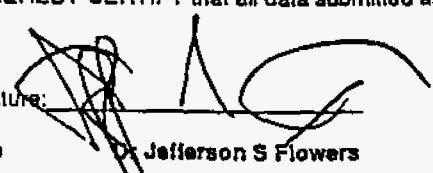
Sample Date (MMDDYY):
Laboratory Sample Number: 17833
Sample Location (be specific): AT WELL
Sample Type (check all applicable):
☐ Check ☐ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☒ Well ☐ Resample
☐ Special

Sampler Name, Title Phone: LEWELL PELL APPA 407 334 5384

ANALYSIS INFORMATION

Extraction Date: 09/17/91
Laboratory Cont. Dr. J.S. Flowers
Resample Requested? (check) Yes ☐ No ☒
ANALYSIS SUBMITTED: Turbidity ☐; Inorganic ☐; Trihalomethane ☐;
Volatile Organic ☒; Organic Chemical ☐; Secondary Chemical ☐; Radiological ☐;
Unregulated Organic Purgeable ☐; Unregulated Organic Pesticide ☐;
Unregulated Base Neutral Extractable ☐; Unregulated Acid Extractable ☐

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Dr. Jefferson S. Flowers

Title: Technical Director

Laboratory: Flowers Chemical Laboratories, Inc.

Date: 9/20/91

DER /ACPHU Reviewing Official:

Mail Results to the
Appropriate DER or ACPHU Office:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/91 ☐ Satisfactory ☐ Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17833	.00002	<.000005	EPA504.1	.000005	9/19/91
2969	Para-dichlorobenzene	17833	.075	<0.001	EPA502.2	0.001	9/19/91
2976	Vinyl chloride	17833	0.001	<0.001	EPA502.2	0.001	9/19/91
2977	1,1-dichloroethane	17833	0.007	<0.001	EPA502.2	0.001	9/19/91
2980	1,2-dichloroethane	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2981	1,1,1-trichloroethane	17833	0.2	<0.001	EPA502.2	0.001	9/19/91
2982	Carbon tetrachloride	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2984	Trichloroethene	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2987	Tetrachloroethane	17833	0.003	<0.001	EPA502.2	0.001	9/19/91
2990	Benzene	17833	0.001	<0.001	EPA502.2	0.001	9/19/91

Comments:



General Offices

1000 Color Place
Apopka, FL 32703
(407) 880-0058

January 13, 1992

Mr. Francisco Perez
State of Florida
Department of Environmental Regulation
2745 S.E. Morning Side Blvd.
Port St. Lucie, Florida 34952

Re: Composite Analysis of Volatile Organics
Fisherman's Haven P.W. LD. #4430442
Leilani Heights P.W. LD. #4430790
Fox Run P.W. LD. #4431700

Dear Mr. Perez:

Please find enclosed for your records a composite analysis for volatile organics from the above listed systems in Martin County. This is the Fourth Quarter analysis for wells #1 and #2 at Fox Run, wells #1 and #2 at Leilani Heights, and well #1 at Fisherman's Haven.

Thank you for your cooperation.

Sincerely,

Sam Sparks
Area Supervisor

SS/jp

cc: Jim Ragsdale w/enclosures
Frank Sanderson
Mel Fisher
Jim Murray
Jensen Beach Office w/enclosures

Serving the customers of the Citrus Springs, DeLone, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seaboard,
Southern States, Spring Hill, Sunray Hills and Venice Gardens utilities.



Received From:

SSU
1790 NE 24th St.
JensonBch, FL 34957

Date Reported: Dec30 1991

PO Number: 1114398

PO Number Leilani Hghts

FDHRS Lab# : 83139

FDER Lab# : E83018

NCDEHNR Lab# : 296

SCDHEC Lab# : 96019

For: COMP. SAMPLE

Date Received:

Dec24 1991

Lab Number : 18582

REPORT OF ANALYSIS

					18582
Parameter	Unit	Method	%ACC	%PRC	
		Detection			
		Limit			
Ethylene dibromide	mg/L	0.000005	113	4.07	<0.000005
Para-dichlorobenzene	mg/L	0.001	97.1	.793	<0.001
Vinyl chloride	mg/L	0.001	105	.389	<0.001
1,1-dichloroethene	mg/L	0.001	105	.389	<0.001
1,2-dichloroethane	mg/L	0.001	101	1.47	<0.001
1,1,1-trichloroethane	mg/L	0.001	98.9	2.26	<0.001
Carbon tetrachloride	mg/L	0.001	99.8	2.11	<0.001
Trichloroethene	mg/L	0.001	101	3.70	<0.001
Tetrachloroethene	mg/L	0.001	102	1.69	<0.001
Benzene	mg/L	0.001	90.8	3.13	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.


 Andrew Harrison
 Laboratory Manager

Page 1 of 1

Jeffrey L. Flowers, Ph.D.
 Jeffrey L. Flowers, Ph.D.
 481 NEWBURYPORT
 P.O. BOX 150-597
 ALABAMA SPRINGS
 FLORIDA 32715-0597
 BUS: (407) 330-5964
 FAX: (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 443-0442 / 443-0790 / 443-1700
 Public Water System Name: FISHBURNERS HAVEN / LEBLANC HOTSP / FOX RUN
 Public Water System Type (check one):
☒ Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: HRS 83139
 Parameter Group(s) Analyzed: Turbidity___; Inorganic___; Trihalomethane___;
 Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
 Unregulated Organic Purgable___; Unregulated Organic Pesticide___;
 Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;
 Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION

Sample Date (MMDDYY):
 Laboratory Sample Number: 18582
 Sample Location (be specific):
 Sample Type (check all applicable):
 () Check () Regular Distribution ☒ Composite
 () Clearance () Maximum Residence Time () Plant Tap
 ☒ Raw ☒ Well () Resample
 () Special
 Sampler Name, Title Phone: LOWELL PLUM OPERATOR 407 334 5584

ANALYSIS INFORMATION

Extraction Date: 12/23/91
 Laboratory Contact: Dr. J.S. Flowers
 Resample Requested? (check one): () Yes (X) No
 ANALYSIS SUBMITTED: Turbidity___; Inorganic___; Trihalomethane___;
 Volatile Organic___; Organic Chemical___; Secondary Chemical___; Radiological___;
 Unregulated Organic Purgable___; Unregulated Organic Pesticide___;
 Unregulated Base Neutral Extractable___; Unregulated Acid Extractable___;

I do HEREBY CERTIFY that all data submitted are correct.

Signature: 

Name: Andrew B. Harrison
 Title: Laboratory Manager
 Laboratory: Flowers Chemical Laboratories, Inc.
 Date: 12/30/91

Mail Results to the
 Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Official:

PWSA.01 Sample Interpretation (check one):
 Effective 06/01/89 () Satisfactory () Unsatisfactory

Volatile Organic Analysis
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	18582	.00002	<.000005	EPA504.1	.000005	12/27/91
2969	Para-dichlorobenzene	18582	.075	<0.001	EPA502.2	0.001	12/24/91
2976	Vinyl chloride	18582	0.001	<0.001	EPA502.2	0.001	12/24/91
2977	1,1-dichloroethene	18582	0.007	<0.001	EPA502.2	0.001	12/24/91
2980	1,2-dichloroethane	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2981	1,1,1-trichloroethane	18582	0.2	<0.001	EPA502.2	0.001	12/24/91
2982	Carbon tetrachloride	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2984	Trichloroethene	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2987	Tetrachloroethene	18582	0.003	<0.001	EPA502.2	0.001	12/24/91
2990	Benzene	18582	0.001	<0.001	EPA502.2	0.001	12/24/91

Comments:



CHEMICAL
LABORATORIES
INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-850

FOER Lab E83018
FOHRS Lab E8135
NCEHNR Lab 298
SCONEC Lab E8019

(1) Client S.S.U.		(2) Address 1790 N.E. 24th St. Jensen Bch, FL 34957		(3) Phone (407) 334-5584													
(4) Public Drinking Water ID # 443-0796		(5) Public Water System Name: LEILANI HGTS															
(6) Project #		(8) Public Water System Type															
(7) PO# L 114398		☒ Community ☐ Non-Community ☐ Special Non-Community															
(16)	Total	Preservative					Plastic Containers					Glass Containers					NOTES:
		1000	ZnOAc/NaOH	60ml	125ml	250ml	500ml	1L	Wild Pac Bag	40ml	250ml	500ml	1L	2L	4L		
3	15																(12) Turn Around Time: 10 Working Days: _____ 5 Working Days: _____ 3 Working Days: _____ 1 Working Day: _____ Other: _____
																COMPOSIT 5 WELLS FOX RUN 443-1700 LEILANI HGTS 443-0796 FISHERMAN'S HAVEN 443-0442	
(17) Kit Relinquished:		(17) Date		(9) Kit Received		(9) Date											
		(17) Time				(9) Time											
(10) Parameter Group(s) Analyzed: Turbidity; Inorganic; Trihalomethane; Volatile Organic; Organic Chemical; Secondary Chemical; Radiological; Unregulated Organic Purgeable; Unregulated Organic Pesticide; Unregulated Base Neutral Extractable; Unregulated Acid Extractable																	

(18) Laboratory Number

(11) Client Sample Identification

✓ 18582	#1	FOX RUN NEW WELL
	#2	FOX RUN OLD WELL
	#3	LEILANI HGTS WELL #1
	#4	LEILANI HGTS WELL #2
	#5	FISHERMAN'S HAVEN WELL
	#6	
	#7	
	#8	
	#9	
	#10	

(13) Collector's Signature:

Lowell T. Pelt

Date

12-23-91

Time

11:00 AM - 1:00 PM

(14) Transporter's Signature:

[Signature]12/24/912:25

(15) Lab Acceptance By:

Over for numbered instructions.



ORLANDO LABORATORIES^{INC}

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-09-280
Date Received: 09/26/90
Date Reported: 10/01/90
OLI Contact: E_HOBBS

Work ID: Leilani Heights
Total Samples: 1

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION
01 Composite #1

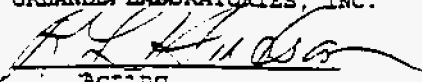
TEST CODES and NAMES used on this report
1 COMP Composite Data For Samples
PWS033 Radiological Analysis

Copy of results to:

Southern States Utilities
Attn: Mel Fisher
1790 NE 24th Street
Jensen Beach, FL 34957

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 93141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Acting
LABORATORY DIRECTOR

Dedicated To Excellence


Eric Malarek
QUALITY CONTROL

OLI 10-1000

PA 1 107 192-8559

PUBLIC DRINKING WATER ANALYSIS REPORTING FORM

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: _____
 Public Water System Name: LAKEVIEW HEIGHTS
 Public Water System Type (check one):
 () Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141
 Parameter Group(s) Analyzed: Radiological Analysis

 Subcontracted Lab Certification Number (if any): N/A

SAMPLE INFORMATION

Sample Date (MMDDYY): 12/01/89, 03/20/90, 06/26/90, 09/25/90
 Laboratory Sample Number: 90-09-280
 Sample Location: _____
 Sample Type (check all applicable):
 () Check () Regular Distribution () Composite
 () Clearance () Maximum Residence Time () Plant Tap
 () Raw () Well () Re-sample
 () Special _____
 Sampler Name, Title, Phone: _____

ANALYSIS INFORMATION

Extraction Date (MMDDYY): N/A
 Laboratory Contact: Eric Malarek
 Re-sample Requested? (check one): () Yes () No
 ANALYSES SUBMITTED: Turbidity; Inorganic; Trihalomethane;
 Volatile Organic; Organic Chemical; Secondary Chemical;
 Radiological; Unregulated Organic Purgeable; Unregulated
 Organic Pesticides; Unregulated Base Neutral Extractable;
 Unregulated Acid Extractable; (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted is correct.

Signature: *Eric Malarek*
 Name: Eric Malarek
 Title: Quality Control Officer
 Laboratory: Orlando Laboratories, Inc.
 Date: 10/1/92

Mail Results to the
 Appropriate DER or
 ACPHU Office:

DER/ACPHU Reviewing Official

Sample Interpretation (check one)
 () Satisfactory () Unsatisfactory

ORLANDO LABORATORIES, INC.
Received: 09/26/90

REPORT OF ANALYSIS:
Results by Sample

Work Order # 90-09-280

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Composite Data For Samples

SAMPLE 01A
MATRIX WATER
TEST CODE 1 COMP

NUMBER OF SAMPLES COMPOSITED: 4

	Sample Identification	Date & Time Collected
#1	LEILANI HEIGHTS 12/89	12/01/89
#2	LEILANI HEIGHTS 03/90	03/20/90
#3	LEILANI HEIGHTS 06/90	06/26/90
#4	LEILANI HEIGHTS 09/90	09/25/90
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		

The results for this composite can
be found under the Sample ID of:

COMPOSITE

Comments

ORLANDO LABORATORIES, INC.
Received: 09/26/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-09-280.

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Radiological Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS033

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002 Gross Alpha	_____	<u>1.0</u>	<u>EPA 900.0</u>	<u>+/- 2.3</u>	<u>09/28/90</u>
4006 Total Uranium	_____	<u>N/A</u>	_____	_____	_____
4010 Total Radium	_____	<u>N/A</u>	_____	_____	_____
4020 Radium-226	_____	<u>N/A</u>	_____	_____	_____
4030 Radium-228	_____	<u>N/A</u>	_____	_____	_____
4100 Gross Beta	_____	<u>N/A</u>	_____	_____	_____

Comments:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-09-280
Page: 4

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES DIFFERENCE</u>	<u>SPIKES & RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Gross Alpha	0.9	96	09/28/90	JAB

End of Report

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6580

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1

INVOICE TO: (COMPANY AND INDIVIDUAL)				ADDRESS (CITY, STATE, ZIP)				CONTACT PERSON/PHONE # INVOICE				OLD WORK ORDER # (LAB USE)			
SSU SERVICES 1000 COLOR PLACE APOKA, FL 32703				A. PERLOWICH 11 11 11				A. PERLOWICH 96				9009280			
ORIGINAL REPORT TO: (COMPANY AND INDIVIDUAL)				ADDRESS (CITY, STATE, ZIP)				CONTACT PERSON/PHONE # REPORT				NO NUMBER (LAB USE)			
A. PERLOWICH 11 11 11				JENSEN BEACH, FL 34957				880-0058							
(OPTIONAL) ADDITIONAL REPORTS SENT TO:				ADDRESS (CITY, STATE, ZIP)				REQUESTED ANALYSIS 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 							

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EAST COAST LABORATORIES

3313 Oleander Ave., Suite 23
 Ft. Pierce, FL 34982

DHRS I.D. #86257

Phone: (W) 407/481-3182
 (H) 407/484-8713

FOR LAB USE ONLY

Date / Time Received / By:

12/5/91 1625

Date / Time Set Up / By:

12/5 1630

Date / Time Results Read / By:

12/6 1530

DRINKING WATER BACTERIOLOGICAL ANALYSIS

(Check One)

- ☐ Buyer
☐ Seller
☐ Owner
☐ System

NAME LEILANI HETS

SYSTEM I.D. NO. 443 0790

STREET ADDRESS: 1790 NE 24TH ST

COUNTY MARTIN DIER DISTRICT 4

CITY JENSEN BEACH

SYSTEM PHONE NO. 407 334 5584

COLLECTOR'S NAME LOWELL T PALM

COLLECTOR'S PHONE NO. 407 334 5584

DATE AND TIME COLLECTED DEC. 05 1991 1130 AM

TYPE OF SUPPLY (Circle one):

☒ Community water system
☐ Private well

Other _____

Noncommunity water system

Nontransient - noncommunity water system

Other public water system

TYPE OF SAMPLE (Circle one):

☒ Compliance
☐ Repeat
☐ Replacement
☐ Main clearance
☐ Well survey
☐ Other
☒ Distribution
☐ Raw

Repeat

☐ Replacement
☐ TNTC or C
☐ Turbid

Main clearance

Well survey

Other

(Specify)

INSTRUCTIONS TO LAB (Check)

- ☐ Call Results To (Ph. No. _____)
☐ Hold for Pick-Up
☐ Fax to: (Fax No. _____)
☐ Mail to: _____

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE

COLL. NO.	SAMPLE POINT (Specific Location)	CI REST'D	pH
7	WELL #1	-	7.9
8	PRESSURE TANK #1	1.5	7.7
9	WELL #2	-	7.5
10	PRESSURE TANK #2	0.5	7.4
11	2260 NE 23RD TERR	1.5	7.7
12	1549 NE 23RD TERR	1.0	7.7

TO BE COMPLETED BY LAB

ANALYSIS METHOD:	(MP)	MTF	MMO-MUG	PA
SAMPLE NUMBER	NON COLIFORM	TOTAL	CONFIRM TOTAL	CONFIRM FECAL
120591-17	0	A		
1 -18	0	A		
-19	0	A		
-20	0	A		
-21	0	A		
21 -22	0	A		

1. L=Light: 1-49 Non-Coliform Colonies

M=Modest: 50-200 Non-Coliform Colonies

C=Confluent Growth

TNTC=Too Numerous To Count

2. Results in this column are preliminary. Fecal coliform confirmation on community and noncommunity water systems and total coliform confirmation on all types of water systems will follow in 24-48 hours.

P - Coliforms are present

A - Coliforms are absent

T - Turbid, Absence of gas or acid

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

550
 1790 NE 24TH ST
 JENSEN BEACH
 FLA 34957

INTERPRETATIONS/REMARKS BY PROGRAM REVIEWER

- ☐ SATISFACTORY
☐ INCOMPLETE COLLECTION INFORMATION
☐ REPEAT SAMPLES
☐ REPLACEMENT SAMPLES

REVIEWING OFFICIAL:

TITLE:

**Leisure Lakes - 2401
(Covered Bridge)**

Highlands County (SSU)

Water

- 1992 FPSC Filing -

Leisure Lakes

Chemical Analyses

The most recent chemical analyses for the water system conducted by a certified laboratory covering the inorganic, organic, turbidity, microbiological, radionuclide, secondary and unregulated contaminants.

Chemical Analysis	Date Taken
Inorganic	2/90
Organic	2/90
Volatile Organic Chemicals	1/91
	4/91
	7/91
	10/91
Turbidity	2/90
Microbiological	12/91
Radionuclide	2/90
Secondary Contaminants	2/90
Unregulated Contaminants	2/90

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 6280064 (Hersure Lake)
Public Water System Name: SOUTHERN STATES UTILITIES
Public Water System Type (check one):
(X) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 85344
Parameter Group(s) Analyzed: Submitted
Subcontracted Lab Certification Number (if any): 84183

SAMPLE INFORMATION

Sample Date (MMDDYY): 1/13/91
Laboratory Sample Number: 2336
Sample Location (be specific): Well sample - Covered Bridge, Lake Placid, Fl
Sample Type (check all applicable):
() Check () Regular Distribution (x) Composite
() Clearance () Maximum Residence Time () Plant Tap
(x) Raw (x) Well () Resample
() Special

Sampler Name, Title, Phone:

Howard Short
President
655-4022

ANALYSIS INFORMATION

Extraction Date (MMDDYY):

Laboratory Contact: Bruce Cummings

Resample Requested? (check one): () Yes (x) No

ANALYSIS SUBMITTED: Turbidity ; Inorganic ; Trihalomethane ; Volatile Organic ; Organic Chemical ;
Secondary Chemical ; Radiological ; Unregulated Organic Purgable ; Unregulated Organic Pesticide ;
Unregulated Base Neutral Extractable ; Unregulated Acid Extractable . (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature:

Bruce Cummings

Mail Results to

Appropriate DER or ACPHU Office:

Name : Bruce L. Cummings
Title: Laboratory Manager
Laboratory: Short Environmental Labs., Inc.
Date: 2/19/91

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	2336	BDL	EPA 504	0.00002	01-17-91
2969 Para-dichlorobenzene	2336	BDL	EPA 502.2	0.00003	01-16-91
2976 Vinyl chloride	2336	BDL	EPA 502.2	0.00017	01-16-91
2977 1,1-dichloroethene	2336	BDL	EPA 502.2	0.00013	01-16-91
2980 1,2-dichloroethane	2336	BDL	EPA 502.2	0.00006	01-16-91
2981 1,1,1-trichloroethane	2336	BDL	EPA 502.2	0.00008	01-16-91
2982 Carbon Tetrachloride	2336	BDL	EPA 502.2	0.00021	01-16-91
2984 Trichloroethene	2336	BDL	EPA 502.2	0.00003	01-16-91
2987 Tetrachloroethene	2336	BDL	EPA 502.2	0.00014	01-16-91
2990 Benzene	2336	BDL	EPA 502.2	0.00004	01-16-91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 6280064

Public Water System Name: COVERED BRIDGE (Leisure Lake)

Public Water System Type (check one):

(x) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 85344

Parameter Group(s) Analyzed: Volatile Organics

Subcontracted Lab Certification Number (if any):

EPA 502.2 & 504 performed by HRS # 84183

SAMPLE INFORMATION

Sample Date (MMDDYY): 4/25/91

Laboratory Sample Number: 3612

Sample Location (be specific): Well # 1

Sample Type (check all applicable):

() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
(x) Raw (x) Well () Resample
() Special

Sampler Name, Title, Phone:

Howard Short
Field Supervisor - Short Environmental
655-4022

ANALYSIS INFORMATION

Extraction Date (MMDDYY):

Laboratory Contact: Bruce Cummings

Resample Requested? (check one): () Yes (x) No

ANALYSIS SUBMITTED: Turbidity ; Inorganic ; Trihalomethane ; Volatile Organic ; Organic Chemical ;
Secondary Chemical ; Radiological ; Unregulated Organic Purgable ; Unregulated Organic Pesticide ;
Unregulated Base Neutral Extractable ; Unregulated Acid Extractable . (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature: Bruce Cummings

Mail Results to
Appropriate DER or ACPHU Office:

Name : Bruce Cummings
Title: Laboratory Manager
Laboratory: Short Environmental Labs., Inc.
Date: 6/18/91

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	3612	BDL	EPA 504	0.00002	05-13-91
2969 Para-dichlorobenzene	3612	BDL	EPA 502.2	0.001	05-06-91
2976 Vinyl chloride	3612	BDL	EPA 502.2	0.001	05-06-91
2977 1,1-dichloroethene	3612	BDL	EPA 502.2	0.001	05-06-91
2980 1,2-dichloroethane	3612	BDL	EPA 502.2	0.001	05-06-91
2981 1,1,1-trichloroethane	3612	BDL	EPA 502.2	0.001	05-06-91
2982 Carbon Tetrachloride	3612	BDL	EPA 502.2	0.001	05-06-91
2984 Trichloroethene	3612	BDL	EPA 502.2	0.001	05-06-91
2987 Tetrachloroethene	3612	BDL	EPA 502.2	0.001	05-06-91
2990 Benzene	3612	BDL	EPA 502.2	0.001	05-06-91

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 6280064
Public Water System Name: LEISURE LAKES UTILITIES
Public Water System Type (check one):
(x) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 85344
Parameter Group(s) Analyzed: Volatile Organics
Subcontracted Lab Certification Number (if any):
EPA 502.2 & 504 performed by HRS # 84183

SAMPLE INFORMATION

Sample Date (MMDDYY): 7/11/91
Laboratory Sample Number: 4380
Sample Location (be specific): Well # 1
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
(x) Raw (x) Well () Resample
() Special
Sampler Name, Title, Phone:

Howard Short
Operator
655-3111

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Bruce Cummings
Resample Requested? (check one): () Yes (x) No
ANALYSIS SUBMITTED: Turbidity ; Inorganic ; Trihalomethane ; Volatile Organic x ; Organic Chemical ;
Secondary Chemical ; Radiological ; Unregulated Organic Purgable ; Unregulated Organic Pesticide ;
Unregulated Base Neutral Extractable ; Unregulated Acid Extractable . (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature:

Bruce Cummings

Mail Results to
Appropriate DER or ACPHU Office:

Name : Bruce Cummings
Title: Laboratory Manager
Laboratory: Short Environmental Labs., Inc.
Date: 8/22/91

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

VOLATILE ORGANIC ANALYSIS
 17-550.310(2)(d)
 (PWS028)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	4380	BDL	EPA 504	0.00002	07-31-91
2969 Para-dichlorobenzene	4380	BDL	EPA 502.2	0.001	07-23-91
2976 Vinyl chloride	4380	BDL	EPA 502.2	0.001	07-23-91
2977 1,1-dichloroethene	4380	BDL	EPA 502.2	0.001	07-23-91
2980 1,2-dichloroethane	4380	BDL	EPA 502.2	0.001	07-23-91
2981 1,1,1-trichloroethane	4380	BDL	EPA 502.2	0.001	07-23-91
2982 Carbon Tetrachloride	4380	BDL	EPA 502.2	0.001	07-23-91
2984 Trichloroethene	4380	BDL	EPA 502.2	0.001	07-23-91
2987 Tetrachloroethene	4380	BDL	EPA 502.2	0.001	07-23-91
2990 Benzene	4380	BDL	EPA 502.2	0.001	07-23-91

Comments: BDL = Below Detection Limit

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 5280064
Public Water System Name: LEISURE LAKES UTILITIES
Public Water System Type (check one):
(x) Community () Non-community () Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 85344
Parameter Group(s) Analyzed: Volatile Organics
Subcontracted Lab Certification Number (if any):
EPA 502.2 & 504 performed by HRS # 84183

SAMPLE INFORMATION

Sample Date (MMDDYY): 10/29/91
Laboratory Sample Number: 5911
Sample Location (be specific): Well # 1
Sample Type (check all applicable):
() Check () Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
(x) Raw (x) Well () Resample
() Special
Sampler Name, Title, Phone:

Howard Short
Operator
655-3111

ANALYSIS INFORMATION

Extraction Date (MMDDYY):
Laboratory Contact: Bruce Cummings
Resample Requested? (check one): () Yes (x) No
ANALYSIS SUBMITTED: Turbidity ; Inorganic ; Trihalomethane ; Volatile Organic ; Organic Chemical ;
Secondary Chemical ; Radiological ; Unregulated Organic Purgable ; Unregulated Organic Pesticide ;
Unregulated Base Neutral Extractable ; Unregulated Acid Extractable . (Check all analyses which apply.)

I do HEREBY CERTIFY that all data submitted are correct.

Signature: Bruce Cummings

Mail Results to
Appropriate DER or ACPHU Office:

Name: Bruce Cummings
Title: Laboratory Manager
Laboratory: Short Environmental Labs., Inc.
Date: 12/16/91

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
() Satisfactory () Unsatisfactory

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	5911	BDL	EPA 504	0.00002	11-05-91
2969 Para-dichlorobenzene	5911	BDL	EPA 502.2	0.001	11-05-91
2976 Vinyl chloride	5911	BDL	EPA 502.2	0.001	11-05-91
2977 1,1-dichloroethene	5911	BDL	EPA 502.2	0.001	11-05-91
2980 1,2-dichloroethane	5911	BDL	EPA 502.2	0.001	11-05-91
2981 1,1,1-trichloroethane	5911	BDL	EPA 502.2	0.001	11-05-91
2982 Carbon Tetrachloride	5911	BDL	EPA 502.2	0.001	11-05-91
2984 Trichloroethene	5911	BDL	EPA 502.2	0.001	11-05-91
2987 Tetrachloroethene	5911	BDL	EPA 502.2	0.001	11-05-91
2990 Benzene	5911	BDL	EPA 502.2	0.001	11-05-91

Comments: BDL = Below Detection Limit

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 6200064
Public Water System Name: COVERED BRIDGE (Leisure Lake)
Public Water System Type (check one):
☒ Community ☐ Non-community ☐ Special Non-community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 84147
Parameter Groups Analyzed: All submitted
Subcontracted Lab Certification Number: None

SAMPLE INFORMATION

Sample Date (MM/DD/YY): 02/28/90
Laboratory Sample Number: 737800
Sample Location: CLUBHOUSE
Sample Type (check all applicable):
☐ Check ☒ Regular Distribution ☐ Composite
☐ Clearance ☐ Maximum Residence Time ☐ Plant Tap
☐ Raw ☐ Well ☐ Resample
☐ Special

Sampler Name: OTIS J. MILLER
Title: OPERATOR
Phone: 813-655-3111

ANALYSIS INFORMATION

Extraction Date: See dates within analysis results form (attached)
Laboratory Contact: RICHARD LEWIS

Resample Requested? (check one): ☐ Yes ☒ No

ANALYSES SUBMITTED: Turbidity ☒ Inorganic ☒ Trihalomethane ☒ Volatile Organic ☒ Organic Chemical ☒
Secondary Chemical ☒ Radiological ☒ Unregulated Organic Purgeable ☒ Unregulated Organic Pesticide ☒
Unregulated Base Neutral Extractable ☒ Unregulated Acid Extractable ☒ (Check all analyses which apply.)

I do HEREBY CERTIFY that all laboratory data submitted are correct.

Signature: Richard Lewis

Name: RICHARD LEWIS
Title: Water Analysis Supervisor
Laboratory: Thornton Laboratories, Inc.
Date: 3/23/90

DER/ACPHU Reviewing Official:

Sample Interpretation (check one)
☐ Satisfactory ☐ Unsatisfactory

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
0100 Turbidity	737800	2.8	EPA 180.1	0.01	03-01-90

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic			EPA 206.3	0.005	
1010 Barium	737800	0.10	EPA 208.1	0.03	03-16-90
1015 Cadmium	737800	BDL	EPA 213.1	0.002	03-08-90
1020 Chromium	737800	0.011	EPA 218.1	0.005	03-09-90
1025 Fluoride			EPA 340.2	0.02	
1030 Lead	737800	BDL	EPA 239.1	0.01	03-08-90
1035 Mercury			EPA 245.1	0.0002	
1040 Nitrate (as N)	737800	BDL	EPA 353.2	0.02	03-14-90
1045 Selenium	737800	BDL	EPA 270.3	0.005	03-09-90
1050 Silver	737800	BDL	EPA 272.1	0.005	03-05-90
1052 Sodium	737800	6.7	EPA 273.1	0.005	03-08-90

Comments:

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031 Dalapon	737800	BDL	EPA 515	0.001	03-09-90
2036 Oxamyl (Vydate)	737800	BDL	EPA 531.1	0.001	03-22-90
2037 Simazine	737800	BDL	EPA 507	0.001	03-20-90
2040 Picloram	737800	BDL	EPA 515	0.001	03-09-90
2041 Dinoseb	737800	BDL	EPA 515	0.001	03-09-90
2043 Aldicarb sulfoxide	737800	BDL	EPA 531.1	0.001	03-22-90
2044 Aldicarb sulfone	737800	BDL	EPA 531.1	0.001	03-22-90
2045 Metolachlor	737800	BDL	EPA 507	0.001	03-20-90
2046 Carbofuran	737800	BDL	EPA 531.1	0.001	03-22-90
2047 Aldicarb	737800	BDL	EPA 531.1	0.001	03-22-90
2050 Atrazine	737800	BDL	EPA 507	0.001	03-20-90
2051 Alachlor (Lasso)	737800	BDL	EPA 507	0.001	03-20-90
2065 Heptachlor	737800	BDL	EPA 508	0.001	03-09-90
2356 Aldrin	737800	BDL	EPA 508	0.001	03-09-90
2364 Dieldrin	737800	BDL	EPA 508	0.001	03-09-90
2440 Dicamba	737800	BDL	EPA 515	0.001	03-09-90
2959 Chlordane	737800	BDL	EPA 508	0.001	03-09-90
2326 Pentachlorophenol	737800	BDL	EPA 515	0.001	03-09-90

Comments:

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2210 Chloromethane	737800	BDL	EPA 502.2	0.001	03-14-90
2212 Dichlorodifluoro- methane	737800	BDL	EPA 502.2	0.001	03-14-90
2214 Bromomethane	737800	BDL	EPA 502.2	0.001	03-14-90
2216 Chloroethane	737800	BDL	EPA 502.2	0.001	03-14-90
2218 Trichlorofluoro- methane	737800	BDL	EPA 502.2	0.001	03-14-90
2224 trans-1,3-dichloro- propene	737800	BDL	EPA 502.2	0.001	03-14-90
2228 cis-1,3-dichloro- propene	737800	BDL	EPA 502.2	0.001	03-14-90
2251 Methyl-tert-butyl- ether	737800	BDL	EPA 502.2	0.001	03-14-90
2380 cis-1,2-dichloro- ethene	737800	BDL	EPA 502.2	0.001	03-14-90
2408 Dibromomethane	737800	BDL	EPA 502.2	0.001	03-14-90
2410 1,1-dichloropropane	737800	BDL	EPA 502.2	0.001	03-14-90
2412 1,3-dichloropropane	737800	BDL	EPA 502.2	0.001	03-14-90
2414 1,2,3-trichloro- propane	737800	BDL	EPA 502.2	0.001	03-14-90
2416 2,2-dichloropropane	737800	BDL	EPA 502.2	0.001	03-14-90
2931 1,2-dibromo-3-chloro propane	737800	BDL	EPA 504	0.001	03-14-90
2941 Chloroform	737800	0.050	EPA 502.2	0.001	03-14-90
2942 Bromoform	737800	BDL	EPA 502.2	0.001	03-14-90
2943 Bromodichloro- methane	737800	0.008	EPA 502.2	0.001	03-14-90

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2944 Dibromochloro- methane	737800	BDL	EPA 502.2	0.001	03-14-90
2962 p-xylene	737800	BDL	EPA 502.2	0.001	03-14-90
2964 Methylene chloride	737800	BDL	EPA 502.2	0.001	03-14-90
2965 o-chlorotoluene	737800	BDL	EPA 502.2	0.001	03-14-90
2966 p-chlorotoluene	737800	BDL	EPA 502.2	0.001	03-14-90
2967 m-dichlorobenzene	737800	BDL	EPA 502.2	0.001	03-14-90
2968 o-dichlorobenzene	737800	BDL	EPA 502.2	0.001	03-14-90
2978 1,1-dichloroethane	737800	BDL	EPA 502.2	0.001	03-14-90
2979 trans-1,2-dichloro ethylene	737800	BDL	EPA 502.2	0.001	03-14-90
2983 1,2-dichloropropane	737800	BDL	EPA 502.2	0.001	03-14-90
2985 1,1,2-trichloroethane	737800	BDL	EPA 502.2	0.001	03-14-90
2986 1,1,1,2-tetrachloro- ethane	737800	BDL	EPA 502.2	0.001	03-14-90
2988 1,1,2,2-tetrachloro- ethane	737800	BDL	EPA 502.2	0.001	03-14-90
2989 Chlorobenzene	737800	BDL	EPA 502.2	0.001	03-14-90
2991 Toluene	737800	BDL	EPA 502.2	0.001	03-14-90
2992 Ethylbenzene	737800	BDL	EPA 502.2	0.001	03-14-90
2993 Bromobenzene	737800	BDL	EPA 502.2	0.001	03-14-90
2995 m-xylene	737800	BDL	EPA 502.2	0.001	03-14-90
2996 Styrene	737800	BDL	EPA 502.2	0.001	03-14-90
2997 o-xylene	737800	BDL	EPA 502.2	0.001	03-14-90

Comments:

X

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PWS037)

Parameter ID NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
9108 2-chlorophenol	737800	BDL	EPA 525	0.025	03-07-90
9112 2-methyl-4,6-dinitro phenol	737800	BDL	EPA 525	0.25	03-07-90
9115 Phenol	737800	DBL	EPA 525	0.025	03-07-90
9116 2,4,6-trichloro- phenol	737800	DBL	EPA 525	0.025	03-07-90

Comments:

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWS027)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM			EPA 501.2	0.0001	
2950 TTHM	737800	0.058	EPA 501.2	0.001	03-14-90

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	737800	BDL	EPA 504	0.00002	03-13-90
2969 Para-dichlorobenzene	737800	BDL	EPA 502.2	0.001	03-14-90
2976 Vinyl chloride	737800	BDL	EPA 502.2	0.001	03-14-90
2977 1,1-dichloroethene	737800	BDL	EPA 502.2	0.001	03-14-90
2980 1,2-dichloroethane	737800	BDL	EPA 502.2	0.001	03-14-90
2981 1,1,1-trichloroethane	737800	BDL	EPA 502.2	0.001	03-14-90
2982 Carbon Tetrachloride	737800	BDL	EPA 502.2	0.001	03-14-90
2984 Trichloroethene	737800	BDL	EPA 502.2	0.001	03-14-90
2987 Tetrachloroethene	737800	BDL	EPA 502.2	0.001	03-14-90
2990 Benzene	737800	BDL	EPA 502.2	0.001	03-14-90

Comments:

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1924	Field pH (units)	737800		EPA 150.1	---	03-07-90
1925*	Lab pH (units)	737800	7.0	EPA 150.1	---	03-01-90
1926	Field Conductivity			EPA 120.1		
1927*	Total Alkalinity	737800	110	EPA 305.1	0.5	03-05-90
1930	TDS	737800	328	EPA 160.1	2	03-07-90
1931	Phenolphthalein Alk.	737800	0	EPA 305.1	0.5	03-05-90
1996	Field Temp. (C)			EPA 170.1	---	
1997	Langelier Index pHs	737800	7.8	APHA Calc	---	03-15-90
1998*	Saturation Index	737800	-0.8	APHA Calc	---	03-15-90
1999*	Stability Index	737800	8.6	APHA Calc	---	03-15-90
2909	Foaming Agents	737800	0.06	EPA 425.1	0.02	03-02-90
9996	Field DO			EPA 360.1	0.5	
9997*	Field Chlorine			Hach	0.1	

Comments:

*OPTIONAL--NOT REQUIRED BY RULE

SECONDARY CHEMICAL ANALYSIS

17-550.320

(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016* Calcium	737800	47	EPA 215.2	0.005	03-05-90
1017 Chloride	737800	49	EPA 325.3	0.5	03-05-90
1019* Carbonate CaCO3	737800	BDL	EPA 305.1		03-05-90
1021* Hydroxide CaCO3	737800	BDL	EPA 305.1		03-05-90
1022 Copper	737800	0.010	EPA 220.1	0.005	03-06-90
1023* Bicarbonate CaCO3	737800	110	EPA 305.1		03-05-90
1026* Bicarbonate HCO3	737800	134	EPA 305.1		03-05-90
1027* Hydrogen Sulfide	737800	BDL	EPA 376.1	0.04	03-07-90
1028 Iron	737800	0.32	EPA 236.1	0.005	03-09-90
1031* Magnesium	737800	16	EPA 242.1	0.005	03-09-90
1032 Manganese	737800	0.008	EPA 243.1	0.005	03-07-90
1055 Sulfate	737800	55	EPA 375.4	1	03-02-90
1095 Zinc	737800	0.020	EPA 289.1	0.005	03-03-90
1901 Carbon Dioxide	737800	22	APHA 407	1	03-15-90
1905 Color (color units)	737800	5	EPA 110.2	0	03-01-90
1915* Total Hardness	737800	183	EPA 215.2	1	03-16-90
1917* NCH as CaCO3	737800	73	Calc.	1	03-15-90
1920 Odor (total odor number)	737800	0	EPA 140.1	0	03-05-90

Comments:

ORGANIC CHEMICAL ANALYSIS
 17-550.310(2)(a)(b)
 (PWS027)

Parameter ID NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. lt. Used	Analysis Date
2005 Endrin	737800	BDL	APHA 509 A	0.0001	03-09-90
2010 Lindane	737800	BDL	APHA 509 A	0.0002	03-09-90
2015 Methoxychlor	737800	BDL	APHA 509 A	0.005	03-09-90
2020 Toxaphene	737800	BDL	APHA 509 A	0.001	03-09-90
2105 2,4-D	737800	BDL	APHA 509 B	0.02	03-09-90
2110 2,4,5-TP (Silvex)	737800	BDL	APHA 509 B	0.002	03-09-90

Comments:

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID NAME	Sample Number	Analysis Result (pCi/L)	Analytical Method	Det. lt. Used	Analysis Date
4000 Gross alpha & radon and uranium analysis error +/-	737800	2.0 1.0	APHA 703		03-07-90

Comments:

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
0100 Turbidity	2689	0.42	EPA 180.1	0.01	02-13-91

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det. Lt. Used	Analysis Date
1005 Arsenic	2689	BDL	EPA 206.3	0.005	02-18-91
1010 Barium			EPA 208.1	0.02	
1015 Cadmium			EPA 213.1	0.002	
1020 Chromium			EPA 218.1	0.005	
1025 Fluoride	2689	0.06	EPA 340.2	0.02	02-20-91
1030 Lead			EPA 239.1	0.01	
1035 Mercury	2689	BDL	EPA 245.1	0.0002	02-20-91
1040 Nitrate (as N)			EPA 353.2	0.01	
1045 Selenium			EPA 270.3	0.005	
1050 Silver			EPA 272.1	0.005	
1052 Sodium			EPA 273.1	0.1	

Comments:

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016* Calcium			EPA 215.2	0.5	
1017 Chloride			EPA 325.3	0.5	
1019* Carbonate CaCO3			EPA 305.1	0.5	
1021* Hydroxide CaCO3			EPA 305.1	0.5	
1022 Copper			EPA 220.1	0.005	
1023* Bicarbonate CaCO3			EPA 305.1	0.5	
1026* Bicarbonate HCO3			EPA 305.1	0.6	
1027* Hydrogen Sulfide			EPA 376.1	0.04	
1028 Iron	2689	0.10	EPA 236.1	0.05	02-20-91
1031* Magnesium			EPA 130.2	0.05	
1032 Manganese			EPA 243.1	0.005	
1055 Sulfate			EPA 375.4	1	
1095 Zinc			EPA 289.1	0.005	
1901 Carbon Dioxide			APHA 407	0	
1905 Color (color units)			EPA 110.2	0	
1915* Total Hardness			EPA 130.2	0.5	
1917* NCH as CaCO3			Calc.	0	
1920 Odor (total odor number)			EPA 140.1	0	

Comments:

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23-Mar-1990
Page 4

PUBLIC DRINKING WATER ANALYSIS REPORT

Parameter ID NAME	Sample Number	Analysis Result (ug/L)	Analytical Method	Det. Lt. Used	Analysis Date
✓ 1990 Saturation Index	737800	-0.8	APHA Calc.		Mar-15-1990
✓ 1999 Stability Index	737800	0.6	APHA Calc.		Mar-15-1990
✓ 1901 Carbon Dioxide (CO2)	737800	22	APHA Calc.	1	Mar-15-1990
✓ 1920 Odor (Total Odor Number)	737800	0	EPA 140.1	0	Mar-05-1990
✓ 1924 Field pH (Units)	737800	7.4			Mar-07-1990
✓ 1926 Field Conductivity (umhos/cm2)	737800	200			Mar-07-1990
✓ 1996 Field Temperature (oC)	737800	23.5			Mar-07-1990
✓ 9996 Field Dissolved Oxygen (DO)	737800	-		0.5	Mar-07-1990
✓ 1925 Lab pH (Units)	737800	7.0	EPA 150.1		Mar-01-1990
✓ 1930 Total Dissolved Solids (TDS)	737800	328	EPA 160.1	2	Mar-07-1990
✓ 2909 Foaming Agents	737800	0.06	EPA 425.1	0.02	Mar-02-1990
✓ 0100 Turbidity (NTU)	737800	2.0	EPA 180.1	0.01	Mar-01-1990
✓ 2950 Total Trihalomethanes (THM)	737800	0.058	EPA 502.1	0.001	Mar-14-1990
✓ 2969 Para-dichlorobenzene	737800	D	EPA 502.1	0.001	Mar-14-1990
✓ 2990 Benzene	737800	D	EPA 502.1	0.001	Mar-14-1990
✓ 2210 Chloromethane	737800	D	EPA 502.1	0.001	Mar-14-1990
✓ 2212 Dichlorodifluoromethane	737800	D	EPA 502.1	0.001	Mar-14-1990
✓ 2214 Bromomethane	737800	D	EPA 502.1	0.001	Mar-14-1990
✓ 2216 Chloroethane	737800	D	EPA 502.1	0.001	Mar-14-1990
✓ 2218 Trichlorofluoromethane	737800	D	EPA 502.1	0.001	Mar-14-1990
✓ 2224 trans-1,3-Dichloropropene	737800	D	EPA 502.1	0.001	Mar-14-1990

* A letter D indicates that none of that parameter was found at the detection limit.