SOUTHERN STATES UTILITIES, INC.
DELTONA UTILITIES, INC.

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 920199-WS

APPLICATION FOR A GENERAL RATE INCREASE

FILED
DEC 12 1996
JON L. WHEELER
Clerk District Court of A
First District

ORIGINAL
FILE COPY

VOLUME IV
BOOK 1 OF 9

ADDITIONAL ENGINEERING INFORMATION

Containing

CHEMICAL ANALYSES
for
Amelia Island through East Lake Harris Estates

FOR THE TEST YEAR ENDED
DECEMBER 31, 1991

DOCUMENT NUMBER-DATE
04742 MAY 11 1992
FPSC-RECORDS/REPORTING

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. DeLaquin, et al.
PSC Docket No. 920199-WS

DOCKET NO. 920199-WS
BOOK IV
BOOK 1 OF 9

CHEMICAL ANALYSES

TABLE OF CONTENTS

SYSTEM NAME	COUNTY	PAGE
Amelia Island	Nassau	1
Apache Shores	Citrus	28
Apple Valley	Seminole	76
Bay Lake Estates	Osceola	152
Beacon Hills	Duval	196
Beecher's Point	Putnam	274
Burnt Store	Charlotte/Lee	323
Carlton Village	Lake	365
Chuluota	Seminole	427
Citrus Park	Marion	475
Citrus Springs Utilities	Citrus	498
Crystal River Highlands	Citrus	559
Daetwyler Shores	Orange	613
Deltona Utilities	Volusia	650
Dol Ray Manor	Seminole	924
Druid Hills	Seminole	958
East Lake Harris Estates	Lake	992

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.

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	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	Daetwyler	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	Del 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	Fountians	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	*	*	*

SUMM - 1

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]
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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.

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	* * 3/91, 6/91	10/89	12/91	11/90	10/89	3/91
6	Lake Harriett	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	9/90	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, 5/91	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
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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.

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	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 Mountian	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

Amelia Island - 1518

Nassau County (SSU)

Water

- 1992 FPSC Filing -

Amelia 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	5/90
Volatile Organic Chemicals	6/90
	10/90
	1/91
	4/91
Turbidity	10/90
Microbiological	12/91
Radionuclide	6/88
Secondary Contaminants	8/91
Unregulated Contaminants	2/89

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SSU SERVICES
Public Water System I.D. Number: 2450022
Public Water System Name: Amelia Plant
Public Water System Type: Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: Turbidity, Inorganic, Secondary Chemical
Subcontracted Lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: August 23, 1991
Laboratory Sample Number: 9108286
Sample Location (be specific): Plant Effluent Sample Point
Sample Type: Plant Tap

Sampler's Name and Title: Mr. Roger Peck, Sampling Technician
Sampler's Company: Technical Services, Inc.
Sampler's Phone Number: (904) 35305761

ANALYSIS INFORMATION:
Extraction Date: Not Applicable
Laboratory Contact: Mr. Walter Mock
Resample Request: NO
Analyses Submitted: Turbidity, Inorganic, Secondary Chemical

I DO HEREBY CERTIFY THAT ALL DATA SUBMITTED ARE CORRECT.

Laboratory Director
TECHNICAL SERVICES, INC.

Date: September 12, 1991

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
() Satisfactory () Unsatisfactory

TECHNICAL SERVICES, INC.
2901 DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100	Turbidity	9108286		1.6	EPA180.1	08-26-91

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	9108286	<0.003	EPA206.3	0.003	09-09-91
1010	Barium	9108286	<0.2	EPA208.1	0.2	08-26-91
1015	Cadmium	9108286	<0.001	EPA213.2	0.001	08-29-91
1020	Chromium	9108286	<0.01	EPA218.2	0.01	08-29-91
1025	Fluoride	9108286	0.671	EPA340.2	0.1	09-09-91
1030	Lead	9108286	0.0067	EPA239.2	0.005	08-28-91
1035	Mercury	9108286	<0.0002	EPA245.1	0.0002	08-24-91
1040	Nitrate (as N)	9108286	<0.02	EPA353.2	0.02	08-30-91
1045	Selenium	9108286	<0.003	EPA270.3	0.003	09-09-91
1050	Silver	9108286	<0.03	EPA272.1	0.03	08-26-91
1052	Sodium	9108286	18.7	EPA273.1	1.0	09-06-91

TECHNICAL SERVICES, INC.
2901 DAMESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

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	9108286	50.5	EPA215.1	0.20	09-06-91
1017	Chloride	9108286	27.5	SM 407A	0.25	08-29-91
1019*	Carbonate $CaCO_3$	Not Applicable				
1021*	Hydroxide $CaCO_3$	Not Applicable				
1022	Copper	9108286	<0.03	EPA220.1	0.03	08-28-91
1023*	Bicarbonate $CaCO_3$	Not Applicable				
1025	Fluoride	Please enter as a primary on screen PWS030				
1026*	Bicarbonate HCO_3	Not Applicable				
1027*	Hydrogen Sulfide	Not Applicable				
1028	Iron	9108286	<0.03	EPA236.1	0.03	08-27-91
1031*	Magnesium	Not Applicable				
1032	Manganese	9108286	<0.03	EPA243.1	0.03	08-27-91
1055	Sulfate	9108286	114	EPA375.4	1.0	08-27-91
1095	Zinc	9108286	<0.02	EPA289.1	0.02	08-28-91
1901	Carbon Dioxide	9108286	21	SM 406A	5	09-10-91
1905	Color (Color Units)	9108286	<5	SM 204A	5	08-26-91
1915*	Total Hardness	Not Applicable				
1917*	NCH as $CaCO_3$	Not Applicable				

*OPTIONAL - NOT REQUIRED BY RULE

TECHNICAL SERVICES, INC.
2901 DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Det.Lt. Used	Analysis Date
1920	Odor (TON)	9108286	1	SM 207	1	08-26-91
1924	Field pH (Units)	9108286	7.07	EPA150.1	0.1	08-23-91
1925*	Lab pH (Units)	9108286	7.62	EPA150.1	0.1	08-23-91
1926	Field Conductivity, umhos/cm	9108286	500	EPA120.1	2	08-23-91
1927*	Total Alkalinity	9108286	152	SM 403	0.2	08-26-91
1930	Total Dissolved Solids	9108286	380	EPA160.1	1	08-23-91
1931	Phenolphthalein Alkalinity	9108286	0	SM 403	0.02	08-26-91
1996	Field Temp. (°C)	9108286	22.8	EPA170.1	1	08-23-91
1997	Langelier Index pHs	9108286	7.55	SM 203	0.05	09-10-91
1998*	Saturation Index pH-pHs	9108286	-0.48	SM 203	0.05	09-10-91
1999*	Stability Index 2pHs-pH	Not Applicable				
2909	Foaming Agents MBAS	9108286	0.088	EPA425.1	0.025	09-04-91
9996	Field Dissolved Oxygen	9108286	5.15	EPA360.1	0.01	08-23-91
9997*	Field Chlorine	Not Applicable				

Comments:

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - Southern States Utilities (Customer's Name)
Public Water System I.D. Number: 2450022
Public Water System Name: Amelia Branch
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups 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): ABC Research, FDHRS #82135

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): May 25, 1990
Laboratory Sample Number(s): 94327-A
Sample Location (be specific): Well #1, SouthWest Corner of Utility Property
Sample Type (check all applicable): ( )Check ( )Clearance (X)Raw ( )Regular Distribution (X)Well ( )Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Tile: Jerry Wright, Area Supervisor
Sampler's Company: Southern States Utilities
Sampler's Phone Number: (904) 261-0821

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): EPA 515 - 06-13-90, EPA 505 - 05-31-90
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane ( )Volatile Organic (X)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.

Laboratory Director
TECHNICAL SERVICES, INC.

Date: July 2, 1990

RECEIVED
JUL 5 - 1990
SOUTHERN STATES UTILITIES, INC.

Results mailed to appropriate DER and/or ACPHU Office by (check one): (X)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SOUTHERN STATES UTILITIES
LABORATORY NUMBER 94327-A

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204

ORGANIC CHEMICAL ANALYSIS
17-550.310(2)(a)(b)
(PWSO29)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2005	Endrin	94327-A		BDL*	EPA 505	0.0002	06-21-90
2010	Lindane	94327-A		BDL	EPA 505	0.0002	06-21-90
2015	Methoxychlor	94327-A		BDL	EPA 505	0.001	06-21-90
2020	Toxaphene	94327-A		BDL	EPA 505	0.005	06-21-90
2105	2,4-D	94327-A		BDL	EPA 515	0.001	06-18-90
2110	2,4,5-TP (Silvex)	94327-A		BDL	EPA 515	0.001	06-18-90

Comments: * BDL - Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 94327-A
Date Reported: July 2, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number:
Public Water System Name: Amelia Branch
Public Water System Type (check one): ( ) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (XX)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): July 26, 1990
Laboratory Sample Number(s): 95144
Sample Location (be specific): From Water Plant
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution (X)Well ( )Plant Tap
( )Maximum Residence Time (X)Composite ( )Resample
( )Special
Sampler's Name & Tile: Sampled by customer
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): August 3, 1990
ratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (XX)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.

Walter Monk
Laboratory Director
TECHNICAL SERVICES, INC.

Date: August 7, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

le Interpretation (check one)
( )atisfactory ( )Unsatisfactory

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES
LABORATORY NUMBER 95144
AMELIA BRANCH

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWSO27)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWSO28)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946	Ethylene dibromide	95144		EDL	504	0.00001	08-03-90
2969	Para--dichlorobenzene	95144		EDL	502.2	0.001	07-30-90
2976	Vinyl chloride	95144		EDL	502.2	0.001	07-30-90
2977	1,1-dichloroethene	95144		EDL	502.2	0.001	07-30-90
2980	1,2-dichloroethane	95144		EDL	502.2	0.001	07-30-90
2981	1,1,1-trichloroethane	95144		EDL	502.2	0.001	07-30-90
2982	Carbon tetrachloride	95144		EDL	502.2	0.001	07-30-90
2984	Trichloroethene	95144		EDL	502.2	0.001	07-30-90
2987	Tetrachloroethene	95144		EDL	502.2	0.001	07-30-90
2990	Benzene	95144		EDL	502.2	0.001	07-30-90

Comments: EDL - Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 95144
Date Reported: August 7, 1990

2 of 4

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES, INC. Amelia (Customer's Name)
Public Water System I.D. Number: 2450022
Public Water System Name: WELL #1 and WELL #2
Public Water System Type (check one): ( ) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (XX)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): October 31, 1990
Laboratory Sample Number(s): 96587
Sample Location (be specific): WELL #1 and WELL #2
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution ( )Well ( )Plant Tap
( )Maximum Residence Time (XX)Composite ( )Resample
( )Special
Sampler's Name & Title: Mr. Danny White
Sampler's Company: SSU Services, Inc. - Fernandina
Sampler's Phone Number: (904) 261-0821

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): EDB - 11/02/90
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (804) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (XX)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.

Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 5, 1990

Results mailed to appropriate OER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

OER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES, INC.
LABORATORY NUMBER 96587
WELL #1 and WELL #2

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWS027)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

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	96587		BDL*	504	0.00001	11-02-90
2969	Para--dichlorobenzene	96587		BDL	502.2	0.001	11-02-90
2976	Vinyl chloride	96587		BDL	502.2	0.001	11-02-90
2977	1,1-dichloroethene	96587		BDL	502.2	0.001	11-02-90
2980	1,2-dichloroethane	96587		BDL	502.2	0.001	11-02-90
2981	1,1,1-trichloroethane	96587		BDL	502.2	0.001	11-02-90
2982	Carbon tetrachloride	96587		BDL	502.2	0.001	11-02-90
2984	Trichloroethene	96587		BDL	502.2	0.001	11-02-90
2987	Tetrachloroethene	96587		BDL	502.2	0.001	11-02-90
2990	Benzene	96587		BDL	502.2	0.001	11-02-90

Comments: BDL - Below Detection Limit

L__. Certification #82145
Lab./Sample No.: 96587
Date Reported: November 5, 1990

3 of 4

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES, INC. (Customer's Name)
Public Water System I.D. Number: Not Applicable
Public Water System Name: SSU Services, Inc.
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): January 17, 1991
Laboratory Sample Number(s): 9766A
Sample Location (be specific): WELL #1 AND WELL #2
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution (X)Well ( )Plant Tap
( )Maximum Residence Time (X)Composite ( )Resample
( )Special
Sampler's Name & Title: Sampled by customer
Sampler's Company: SSU Services, Inc.
Sampler's Phone Number:

ANALYSIS INFORMATION:
Ex tion Date (MM/DD/YY): 504 - 01/21/91
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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.

Walter Mock
Laboratory Director
TECHNICAL SERVICES, INC.

Date: January 30 1991

Results mailed to appropriate DER and/or ACPHU Office by (check one): (X)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES, INC.
LABORATORY NUMBER 97664
WELL #1 and #2, COMPOSITE

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWSO27)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWSO28)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946	Ethylene dibromide	97664		BDL*	504	0.00001	01-21-91
2969	Para--dichlorobenzene	97664		BDL	502.2	0.001	01-21-91
2976	Vinyl chloride	97664		BDL	502.2	0.001	01-21-91
2977	1,1-dichloroethene	97664		BDL	502.2	0.001	01-21-91
2980	1,2-dichloroethane	97664		BDL	502.2	0.001	01-21-91
2981	1,1,1-trichloroethane	97664		BDL	502.2	0.001	01-21-91
2982	Carbon tetrachloride	97664		BDL	502.2	0.001	01-21-91
2984	Trichloroethene	97664		BDL	502.2	0.001	01-21-91
2987	Tetrachloroethene	97664		BDL	502.2	0.001	01-21-91
2990	Benzene	97664		BDL	502.2	0.001	01-21-91

Comments: * BDL - Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 97664
Date Reported: January 30, 1991

4 of 4

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORT

PUBLIC WATER SYSTEM INFORMATION: SSU SERVICES
Public Water System I.D. Number: 2450022
Public Water System Name: Amelia Plant
Public Water System Type: COMMUNITY

PUBLIC CERTIFICATION INFORMATION:
Laboratory Certification Number: FDHRS #82145
Parameter Groups Analyzed: Volatile Organic
Subcontracted Lab Certification Number: Not Applicable

SAMPLE INFORMATION:
Sample Date: April 24, 1991
Laboratory Sample Number: 9104286
Sample Location (be specific): Well #1 and Well #2
Sample Type: WELL, COMPOSITE

Sampler's Name and Title: Mr. Danny White, Lead Operator
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 261-0821

ANALYSIS INFORMATION:
Extraction Date: EPA504 - 04/25/91
Laboratory Contact: Mr. Walter Mock
Resample Requested: NO
Analyses Submitted: Volatile Organic

I DO HEREBY CERTIFY THAT ALL DATA SUBMITTED ARE CORRECT.

Laboratory Director
TECHNICAL SERVICES, INC.

Date: May 6, 1991

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
( ) Satisfactory ( ) Unsatisfactory

TECHNICAL SERVICES, INC.
2901 DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

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

Parameter ID	NAME	Sample Number	Result mg/L	Method	Det. Lt. Used	Analysis Date
2946	Ethylene dibromide	9104286	BDL*	504	0.00001	04-29-91
2969	Para-dichlorobenzene	9104286	BDL	502.2	0.001	05-02-91
2976	Vinyl Chloride	9104286	BDL	502.2	0.001	05-02-91
2977	1,1-dichloroethene	9104286	BDL	502.2	0.001	05-02-91
2980	1,2-dichloroethane	9104286	BDL	502.2	0.001	05-02-91
2981	1,1,1-trichloroethane	9104286	BDL	502.2	0.001	05-02-91
2982	Carbon tetrachloride	9104286	BDL	502.2	0.001	05-02-91
2984	Trichloroethene	9104286	BDL	502.2	0.001	05-02-91
2987	Tetrachloroethene	9104286	BDL	502.2	0.001	05-02-91
2990	Benzene	9104286	BDL	502.2	0.001	05-02-91

Comments: * BDL - Below Detection Limit

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number: 2450022
Public Water System Name: SSU Services - Amelia Office
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: (X)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): October 25, 1990 @ 1:20pm
Laboratory Sample Number(s): 96471-1 CORRECTED REPORT
Sample Location (be specific): Ground Storage Reservoir
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution ( )Well ( )Plant Tap
( )Maximum Residance Time ( )Composite ( )Resample
(X)Special
Sampler's Name & Title: Mr. Jim Harvey - Operator Trainee
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 261-3821

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): Not Applicable
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5751.
Resample Request: ( )Yes (X)No
Analyses Submitted: (X)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.

James P. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 2, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (X)Customer Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

Page 1 of 1

[illegible] SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

SSU SERVICES
LABORATORY NUMBER 96471-1
GROUND STORAGE RESERVOIR

TURBIDITY ANALYSIS
17-550.310(3)
(PWSO26)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100	Turbidity	96471-1		0.40	EPA180.1	10-26-90

Comments

INORGANIC ANALYSIS
17-550.310(1)
(PWSO30)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005	Arsenic	Not Applicable					
1010	Barium	Not Applicable					
1015	Cadmium	Not Applicable					
1020	Chromium	Not Applicable					
1025	Fluoride	Not Applicable					
1030	Lead	Not Applicable					
1035	Mercury	Not Applicable					
1040	Nitrate (as N)	Not Applicable					
1045	Selenium	Not Applicable					
1050	Silver	Not Applicable					
1052	Sodium	Not Applicable					

Comments:

Lab. Certification #82145
Lab./Sample No.: 96471-1
Date Reported: November 2, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number: 2450022
Public Water System Name: SSU Services - Amelia Office
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: (X)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): October 25, 1990 @ 1:20pm
Laboratory Sample Number(s): 96471-2 CORRECTED REPORT
Sample Location (be specific): POST CHLORINE SAMPLE POINT
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution ( )Well ( )Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
(X)Special
Sampler's Name & Title: Mr. Jim Harvey - Operator Trainee
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 261-0821

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): Not applicable
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)No
Analyses Submitted: (X)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.

Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 2, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (X)Customer)Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

Page 1 of -

SSU SERVICES
LABORATORY NUMBER 96471-2
POST CHLORINE SAMPLE POINT

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100	Turbidity	96471-2		0.70	EPA 180.1	10-26-90

Comments

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 Applicable					
1010	Barium	Not Applicable					
1015	Cadmium	Not Applicable					
1020	Chromium	Not Applicable					
1025	Fluoride	Not Applicable					
1030	Lead	Not Applicable					
1035	Mercury	Not Applicable					
1040	Nitrate (as N)	Not Applicable					
1045	Selenium	Not Applicable					
1050	Silver	Not Applicable					
1052	Sodium	Not Applicable					

Comments:

Lab. Certification #82145
Lab./Sample No.: 96471-2
Date Reported: November 2, 1990

TECHNICAL SERVICES, INC.

Environmental Consultants
Analysis—Sampling—Testing—Surveys
JACKSONVILLE, FLORIDA
(904) 353-5761, 353-5762, 358-2908

GENERAL OFFICES:
2471 Swan Street
Jacksonville, FL 32204

MAILING ADDRESS:
P.O. Box 52329
Jacksonville, FL 32201

Laboratory No. 88552 April 11, 1989

Sample of Water

Date Received February 23, 1989 @ 3:30pm

For ATTN: John Welsh
Southern States Utilities, P.O. Box 907, Fernandina Beach, Florida 32034

Marks: P.O.# 10263, Well #1 and Well #2, Composite sample, Sampled 2-23-89 @ 11:00am
Composite sample "A"

CERTIFICATE OF ANALYSIS OR TESTS

FAC-17-550.310(2)

REGULATED VOLATILE ORGANICS	CONCENTRATION ppb	DETECTION LIMIT ppb	MCL ppb
Trichloroethene	BDL*	1.0	3
Tetrachloroethene	BDL	1.0	3
Carbon tetrachloride (Tetrachloromethane)	BDL	1.0	3
Vinyl chloride	BDL	1.0	1
1,1,1-trichloroethane	BDL	1.0	200
1,2-dichloroethane	BDL	1.0	3
Benzene	BDL	1.0	1
Ethylene dibromide	BDL	0.01	0.02
p-dichlorobenzene	BDL	1.0	75
1,1 dichloroethene	BDL	1.0	7

* BDL - Below Detection Limit

METHOD	DATE	ANALYST
502.2	THESE RESULTS SUPPLIED BY SUBCONTRACTOR, ABC RESEARCH LABORATORIES CERTIFICATION # 82135,	
504.1	3-08-89	TS

RECEIVED
APR 17 1989
SOUTHERN STATES UTILITIES, INC.

LABORATORY I.D. NO. 82145

...rvices, Inc.
88552

FAC-17-550.410(1)

PURGEABLES	CONCENTRATION ppb	DETECTION LIMIT ppb
Bromobenzene	BDL*	1
Bromodichloromethane	BDL	1
Bromoform	BDL	1
Bromomethane	BDL	1
Chlorobenzene	BDL	1
Chloroethane	BDL	1
Chloroform	BDL	1
p-Chlorotoluene	BDL	1
Chloromethane	BDL	1
Dibromochloromethane	BDL	1
Dibromomethane	BDL	1
Dichlorodofluoromethane	BDL	1
1,1-dichloroethane	BDL	1
trans-1,3-dichloropropene	BDL	1
cis-1,2-dichloroethene	BDL	1
trans-1,2-dichloroethene	BDL	1
1,2-dichloropropane	BDL	1
1,3-dichloropropane	BDL	1
2,2-dichloropropane	BDL	1
cis-1,3-dichloropropene	BDL	1
Ethylbenzene	BDL	1
Methylene chloride (Dichloromethane)	BDL	1
1,1,2-trichloroethane	BDL	1
Trichlorofluoromethane	BDL	1
1,2,3-trichloropropane	BDL	1
Toluene	BDL	1
m-xylene	BDL	1
o-xylene	BDL	1
p-xylene	BDL	1
Styrene	BDL	1
m-dichlorobenzene	BDL	1
o-dichlorobenzene	BDL	1
1,2-dibromo-3-chloropropane (DBCP)	BDL	1
1,1,1,2-tetrachloroethane	BDL	1
1,1,2,2-tetrachloroethane	BDL	1
Methyl tert-butyl-ether (MTBE)	BDL	1
1,1-dichloropropene	BDL	1
o-chlorotoluene	BDL	1

METHOD	DATE	ANALYST
524	THESE RESULTS SUPPLIED BY SUBCONTRACTOR, ABC RESEARCH LABORATORIES CERTIFICATION #82135	

FAC-17-550.410(2)

PESTICIDES	CONCENTRATION ppb	DETECTION LIMIT ppb
Aldrin	BDL ***	0.1
Chlordane	BDL	2.8
Dieldrin	BDL	0.04
Heptachlor	BDL	0.2
** Aldicarb	BDL	<1.40
** Aldicarb sulfoxide	BDL	<1.24
** Aldicarb sulfone	BDL	<1.72
* Dalapon	BDL	0.1
** Carbofuran	BDL	<2.28
** Oxamyl	BDL	<1.88
* Simazine	BDL	50
Atrazine	BDL	20
* Picloram	BDL	0.01
* Dinoseb	BDL	0.01
Alachlor	BDL	0.4
Metolachlor	BDL	1.0
* Dicamba	BDL	0.01
* Pentachlorophenol	BDL	0.01

*** BDL - Below Detection Limit

METHOD	DATE	ANALYST
505	3-09-89	TS
* 515	3-16-89	TS
** 531	THESE RESULTS SUPPLIED BY SUBCONTRACTOR HUNTER/ESE, INC. FDHRS #82138	

FAC-17-550.410(3)

BASE NEUTRAL EXTRACTABLES	CONCENTRATION ppb	DETECTION LIMIT ppb
Bis(2-ethylhexyl)phthalate	BDL	10
Butyl Benzyl phthalate	BDL	10
Di-n-butylphthalate	BDL	10
Diethylphthalate	BDL	10
Dimethylphthalate	BDL	10
2,4-dinitrotoluene	BDL	10
Dioctylphthalate	BDL	10
Hexachlorocyclopentadiene	BDL	10
Isophorone	BDL	10
2,3,7,8-tetrachlorodibenzo-p-dioxin (Dioxin)	BDL	10
1,2,4-trichlorobenzene	BDL	10
PCB-1016	BDL	50
PCB-1221	BDL	50
PCB-1232	BDL	50
PCB-1242	BDL	50
PCB-1248	BDL	50
PCB-1254	BDL	50
PCB-1260	BDL	50

METHOD	DATE	ANALYST
EPA625	3-15-89	SS

...ices, Inc.
88552

FAC-17-550.410(4)

ACID EXTRACTABLES	CONCENTRATION ppb	DETECTION LIMIT ppb
2-chlorophenol	BDL	10
2-methyl-4,6-dinitrophenol	BDL	50
Phenol	BDL	10
2,4,6-trichlorophenol	BDL	30

METHOD	DATE	ANALYST
EPA625	3-15-89	SS

Respectfully submitted,
Technical Services, inc.

Walter Mack

TECHNICAL SERVICES, INC.

ENVIRONMENTAL CONSULTANTS — INDUSTRIAL CHEMISTS
OFFICE 2471 SWAN ST. — P.O. BOX 52329
LABORATORIES 103-107 STOCKTON STREET
JACKSONVILLE, FLORIDA 32201
(904) 353-5761

Laboratory No. 84702 June 8, 1988

Sample of Water

Date Received 5-19-88

For Southern States Utilities, P.O. Box 907, Fernandina Beach, Florida 32034
Attn: John Welsh

Marks: PO# 6782, D.E.R. ID #245-0022, Sampled 5-19-88 at 11:30 by Jerry Wright

CERTIFICATE OF ANALYSIS OR TESTS

	Method	Date	Time	Analyst
Gross Alpha, pCi/liter 0 ± 2	SM 703	6-6-88	15:43	CEP

* The results were supplied by subcontractor CEP, FDHRS #87239

RECEIVED
JUN 10 1988
SOUTHERN STATES
UTILITIES, INC.

pl

Respectfully submitted,

TECHNICAL SERVICES, INC.

By Walter Mock

LABORATORY I.D. NO. 82145

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. [illegible]
R. [illegible]
Dec [illegible]
Rec'd [illegible]

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: S.S.U. Services, Amelia Plant SYSTEM I.D. NO: 245-0022 SYSTEM PHONE #: 261-0821
ADDRESS: Hwy. A-1-A South, Amelia City COUNTY: NASSAU DER DISTRICT: II
COLLECTOR: Danny White C-3914 COLLECTOR PHONE #: 261-0821
SAMPLE SITE (Locality or Subdivision): Amelia Island Plantation
DATE AND TIME COLLECTED: 12-5-91 10:30AM
TYPE OF SUPPLY(Circle one): (Community water system) Private Well Swimming pool Noncommunity water system Bottled water Nontransient - noncommunity water system Other public water system
TYPE OF SAMPLE(Circle one): (Compliance) (Check Box) [x] Distribution [ ] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)
REMARKS:

40

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)		MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	Long Point Golf Maintenance	1.0		[illegible]		A		
2	Lot 115 Beachwood Road	2.0		[illegible]		A		
3	Shipwatch North Building	.5		[illegible]		A		
4	Walker's Landing	.8		[illegible]		A		
5	Drummond Point	1.5		[illegible]		A		
6	Outrigger - End of Line	.8		[illegible]		A		
7	Lift-Station 1518-05 Florence Point	1.5		[illegible]		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
P.O. Box 907
Fernandina Beach, Fla. 32034

Dept. of Env. Regulation 1991
(X) SATISFACTORY
( ) INCOMPLETE COLLECTION INFORMATION
( ) REPEAT SAMPLES
( ) REPLACEMENT SAMPLES

REVIEWING OFFICIAL: _____
TITLE: _____

HRS
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. [illegible]
RE[illegible]
DEC 3 [illegible]
[illegible]

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: S.S.U. SERVICES, AMELIA RMT SYSTEM I.D. NO: 245-0022 SYSTEM PHONE #: 261-0821
ADDRESS: HWY A1A SOUTH, AMELIA CITY COUNTY: NASSAU DER DISTRICT: II
COLLECTOR: DANNY WHITE C-3914 COLLECTOR PHONE #: 261-0821
SAMPLE SITE (Locality or Subdivision): AMELIA ISLAND PLANTATION
DATE AND TIME COLLECTED: 12-5-91 10:35 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 [ ] TNTC or C
(~~x~~) Raw [ ] Turbid
REMARKS: [ ]

2 10

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF) MTF			MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
8	Well #1 - RAW	—		[illegible]		A		
9	Well #2 - RAW	—		[illegible]		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

[illegible], Engineer DEC 11 1991
Dept. of Env. Regulation
(X) SATISFACTORY
( ) INCOMPLETE COLLECTION INFORMATION
( ) REPEAT SAMPLES
( ) REPLACEMENT SAMPLES

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. SERVICES
P.O. BOX 907
FERNANDINA BEACH, FLA. 32034

REVIEWING OFFICIAL: _____

Apache Shores - 990

Citrus County (SSU)

Water

- 1992 FPSC Filing -

Apache Shores

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	7/91
Organic	7/91
Volatile Organic Chemicals	1/91
	3/91
	7/91
	10/91
Turbidity	7/91
Microbiological	12/91
Radionuclide	3/88
Secondary Contaminants	7/91
Unregulated Contaminants	1/91

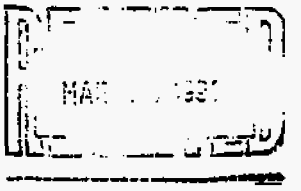
(1)

SSU SERVICES

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, General Manager
Pine Ridge & SSU County Plants

RBW:cr

Attachments

cc: Charles L. Sweat
Chris Arcand
Frank Sanderson
File

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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16098
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 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

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: CR1&2/GI-1/AS-1&2
Date Received: Jan24 1991 Lab Number : 16098

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16098
Bromoform	mg/L	0.001	112	2.79	<0.001
Bromodichloromethane	mg/L	0.001	96.9	.745	<0.001
Dibromochloromethane	mg/L	0.001	115	1.47	<0.001
p-xylene	mg/L	0.001	100	4.60	<0.001
Methylene chloride	mg/L	0.001	111	1.29	<0.001
o-chlorotoluene	mg/L	0.001	104	1.72	<0.001
p-chlorotoluene	mg/L	0.001	112	4.33	<0.001
m-dichlorobenzene	mg/L	0.001	113	1.01	<0.001
o-dichlorobenzene	mg/L	0.001	109	.679	<0.001
1,1-dichloroethane	mg/L	0.001	90.1	.446	<0.001
trans-1,2-dichloroet	mg/L	0.001	108	3.04	<0.001
1,2-dichloropropane	mg/L	0.001	99.9	.360	<0.001
1,1,2-trichloroethan	mg/L	0.001	112	1.63	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	108	3.03	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	104	3.78	<0.001
Chlorobenzene	mg/L	0.001	103	.274	<0.001
Toluene	mg/L	0.001	112	4.33	<0.001
Ethylbenzene	mg/L	0.001	94.7	1.56	<0.001
Bromobenzene	mg/L	0.001	103	.274	<0.001
m-xylene	mg/L	0.001	100	4.60	<0.001
Styrene	mg/L	0.001	112	4.33	<0.001
o-xylene	mg/L	0.001	100	4.60	<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
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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5964
FAX (407) 260-6110

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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16098
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, Ph.D.
Technical Director

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

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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16098
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
Dioctylphthalate	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-dinitop	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

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

PUBLIC DRINKING WATER ANALYSI / REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: APALACHE SHOALS - 6090026
Public Water System Name: CRYSTAL RIVER - 6092342 - GOSPIL ISLAND - 6094953
Public Water System Type (check one):
( )Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi Turbidity___;Inorganic___; Trihalomethane ___;
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_;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 16093
Sample Location (be specific): APALACHE SHOALS WELLS 1+2 CRYSTAL RIVER WELLS 1+2 GOSPIL ISLE WELL 1
Sample Type (check all applicable):
( )Check ( )Regular Distribution (x)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(x)Raw (x)Well ( )Resampl
( )Special
Sampler Name, Title Phone: JOHN MACKENZIE 904.487-2452

ANALYSIS INFORMATION
Extraction Date 2/1/91
Laboratory Conf Dr. J.S. Flowers
Resample Requested? (cha ()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 2/15/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/(() 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	Dichlorodifluoromethan	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,-dichloroprop	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-chloropr	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-tetrachloroetha	16098		<0.001	EPA502.2	0.001	2/1/91
2988	1,1,2,2-tetrachloroetha	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	Hexachlorocyclopentadie	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)phthal	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	Dioctylphthalate	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:

CHEMICAL LABORATORIES Incorporated

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1) Client: Citrus Springs Util.
(2) Address: 9840 W. Citrus Springs Blvd, Citrus Springs, Fla 32630
(3) Phone: (904) 489-2452
(4) Public Drinking Water ID's: Apache Shores #1 & #2
(5) Public Water System Name: Apache Shores
(6) Project #: Citrus County
(7) PO#: B1918
(8) Public Water System Type: X Community ( ) Non-Community ( ) Special Non-Community

(9)	Preservative: HCl	Preservative: ZnOAc/NaOH	Plastic Containers: 60ml	Plastic Containers: 125ml	Plastic Containers: 250ml	Plastic Containers: 500ml	Plastic Containers: 1L	Plastic Containers: Whirl-Pac Bag	Glass Containers: 40ml	Glass Containers: 250ml	Glass Containers: 500ml	Glass Containers: 1L	Glass Containers: 2½L	Glass Containers: 4L
18									X					X
511														

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

(10) Kit Relinquished: | (10) Date / (10) Time | (11) Kit Received | (11) Date / (11) Time

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 Bacon TITLE: _____ PHONE: _____
SAMPLER'S SIGNATURE: _____
NOTES:
Composite with Crystal River well #1 & #2 Gospel Island well #1

(13) Parameter Group(s) Analyzed: Turbidity__; Inorganic__; Trihalomethane__; 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;

(14) Laboratory Number	(15) Client Sample Identification
16098	#1 Apache Shores Well 1
	#2
	#3
	#4
	#5 Apache Shores Well 2
	#6
	#7
	#8
	#9
	#10

		Date	Time
(16) Collectors Signature:		1-23-91	11:20
(17) Transporters Signature:		1/24/91	3:30
(19) Lab Acceptance By:			

OVER FOR INSTRUCTIONS FOR COMPLETION

RC Apache - Crystal Gasp/L Isle

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Citrus Sprgs.Util.
[illegible]CitrusSprgBlvd
CitrusSprg.FL 32630

Date Reported: Apr 9 1991
PO Number: 891018
PO Number Citrus Sprgs.
FDHRS Lab# : 83139
FDER Lab# : 892018
HCDEH&R Lab# : 296
SCDHEC Lab# : 96019

For: CR 1&2 GI-1 AS-1&2
Date Received: Mar28 1991 Lab Number : 16561

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%RCC	%RPC	16561
Ethylene dibromide	mg/L	0.000005	92.8	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	8.27	<0.001
1,1,1-trichloroethan	mg/L	0.001	101	.496	<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	93.2	.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

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

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:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: APALACHE SHORES - 6090076 - CRYSTAL RIVER - 6092
Public Water System Name _____
Public Water System Type (check one): GOSPEL ISLE - 6094953
(x)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 18561
Sample Location (be specific): APALACHE SHORES WELL 1+2 CRYSTAL RIVER WELL 1+2
GOSPEL ISLE WELL 1
Sample Type (check all applicable):

( )Check	( )Regular Distribution	(x)Composit
( )Clearance	( )Maximum Residence Time	( )Plant Tap
(x)Raw	(x)Well	( )Resample
( )Special_____		

Sampler Name, Title Phone: JOHN MACKENZIE OPERATOR
904-499-2452

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 4/8/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 05/01/8 () Satisfactory () Unsatisfactory

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: CRYSTAL RIVER Apache
Date Received: Jul 2 1991

Lab Number : 17253

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17253
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-trichloroethan	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

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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: Apache Shores
Public Water System Name _____
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83:39
Parameter Group(s) Analyzi 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 17253
Sample Location (be specific): well 142
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
( )Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: R. Bagosta
904-489-2452

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 7/12/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
401 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: 9540 N. CITRUS SPRINGS BLVD. CITRUS SPRINGS, FL. 32630
Phone: 904-489-2452
Sampled By (PRINT): JOHN MACKENZIE
Sampler Signature: John Mackenzie Date Sampled: 7/1/91

FCL Client No.:
FCL Project Manager: L. SEBECK
FCL Lab Coordinator: S. WELSH
Requested Due Date: ASAP

P.O. Number: A9/018
Project Name / No.: Citrus Co. 90000
Contact: B. Williams

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	HCl	ANALYSES REQUEST
1	COMPOSIT OF ROLLING [illegible] 1+2 RESERVOIR WELL	11:00	D.W.	12751						VOCs
2	DAIL FOLEST 1+2	8:00								
3	COMPOSIT POW 1-2-3	11:00		12752						
4	GOLDEN TEALANCE 1+2									
5	COMPOSIT APACHE SHORES 1+2 CAVALRY FLOWS 1+2 COMPOSIT	8:30	Prospect	12753						
6	PINE RIDGE 2+3	12:00		12754						

CARRIER	BAILERS	SHIP DATES: OUT / DATE	SHIP DATES: RETURNED / DATE
UPS		6/17/91	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
FL	6/17/91	1530			

SPECIAL INSTRUCTIONS: NO AIR IN VIALS

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

QTY	Sample Container
	HNO3
	H2SO4
	HCl
	Na2S2O3
	Zn(C2H3O2)
	NaOH
	60mL
	125mL
	250mL
	500mL
	1L
	2L
	Whirl-Pak Bag
X	40mL Vial
	250mL
	500mL
	1L
	2L
	4L

NOTES:

0046

Apache Shores #24
Crystal River #2 Gospel Island

[redacted]

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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17959
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-trichloroethan	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

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

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 Apache Shores
Public Water System Type (check one):
(X)Commun ( )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 17959
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: John Mackenzie 904-245-1504

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 10/14/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () Satisfactory () Unsatisfactory

CHEMICA LABORATORIES

FDER Lab# 820018
FDHRS Lab# 85138
NCCEHNR Lab# 284
SCDHEC Lab# 99019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

ATTN: Bob Williams

(1)Client	(2)Address	(3)Phone
CITRUS SPRINGS UTIL.	P.O.Box 217 Dunnellon, FL 32630	(904) 245-1504

(4)Public Drinking Water ID # | (5)Public Water System Name: CITRUS Co. COMPOSITES

(6)Project: # CITRUS Co. Composites | (6)Public Water System Type

PWS# 6910018 | (V) Community ( ) Non-Community ( ) Special Non-Community

	Preservative				Plastic Containers						Glass Containers						NOTES:
		HNO3	ZnOAc/NaOH			60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	3L	
(16)	54											X						

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

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

VOC'S

(18)Laboratory Number	(11)Client Sample Identification
17957 ✓	#1 COMPOSIT OF Rolling Green WELLS 1+2 OAK FOREST 1+2 Rosemont well 1
17958 ✓	#2 COMPOSIT OF POW 1-2-3 GOLDEN TERR. 1+2
17959 ✓	#3 COMPOSIT OF Apache Shores 1+2 Crystal River 1+2
17960 ✓	#4 COMPOSIT Pine Ridge 2+3
	#5
	#6
	#7
	#8
	#9
	#10

		Date	Time
(13)Collectors Signature:	John E Gmur Jr	10/8	4:00 PM
(14)Transporters Signature:			
(15)Lab Acceptance By:		10/10/91	10:10

Over for numbered instructions.

SSU
SERVICES

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:

Attached please find chemical results for letters of non-compliance for Oak Forest, Apache Shores and Crystal River.

If you have any questions, please call.

Sincerely,

R.B. Williams, Division Supervisor
SSU County Plants

Attachments

cc: Charles L. Sweat w/o attachments
Bill Williams w/o attachments
Frank Sanderson w/o attachments
Chris Arcand w/o attachments

SSU SERVICES

Citrus Springs Office
Customer Service
P.O. Box 217
Dunnellon, FL 32830
(904) 489-4813

June 17, 1991

Ms Cece Featheringill
Environmental Specialist II
Department of Environmental Regulation
4520 Oak Fair Blvd
Tampa, Fl 33610-7347

Dear Ms Featheringill:

In reference to your non-compliance letters written May 31, 1991 and received by me June 10, 1991 regarding the sampling of Primary Organics, Morganics, Turbidity and Secondaries for the water plants at Crystal River, Apache Shores, and Oak Forest, copies of letters attached.

The sampling bottles have been ordered from Flovers Laboratories, Orlando, Florida and as soon as we receive them we will immediately collect the samples and transport to the Lab for tests, and when the results are received we will send to you the copies of the results.

If we can be of further service please don't hesitate to call..

Sincerely,

Robert B. Williams

cc: Charles Sweat
Frank Sanderson
Bill Williams
Hrs-Citrus County Public Health Unit

Florida Department of Environmental Regulation
Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561
Lawton Chiles, Governor Carol Browner, Secretary Richard Garrity, Deputy Assistant Secretary

MAY 31, 1991

SOUTHERN STATE UTL
1000 COLOR PLACE
APOPKA FL 32703

RE: NONCOMPLIANCE LETTER
PWS ID: 6090076 (C)
APACHE SHORES SUBDIVISION

Our records indicate that the above referenced potable water system is overdue for the item(s) listed below.

Samples are to be collected and submitted to a laboratory that has been certified by the Department of Health and Rehabilitative Services for the drinking water analysis appropriate to the group(s) listed below. Please call this office with the sample date and lab name within 14 days of the date of this letter. Failure to sample and submit the laboratory results is a violation of Chapter 17-550 of the Florida Administrative Code.

CONTAMINANT(S)	SAMPLE DUE
PRIMARY ORGANICS	04/01/91
INORGANICS	04/01/91
TURBIDITY	04/01/91
SECONDARIES	04/01/91

If you have any questions or need assistance call the Drinking Water Office at (813)623-5561.

SINCERELY,

CECE FEATHERINGILL
ENVIRONMENTAL SUPERVISOR II

cc: HRS CITRUS COUNTY PUBLIC HEALTH UNIT

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

[redacted]

Received From:
Citrus Springs
9840 N.CitrusSprgs.B
CitrusSprgs,FL 32630

Date Reported: Jul17 1991
PO Number: B91018
PO Number Apachee Shore
FDHRS Lab# : 83139
FDEP Lab# : EB3018
HCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received: Jul 2 1991 Lab Number : 17258

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17258
Iron	mg/L	0.01	106	.920	2.1
Magnesium	mg/L	0.01	110	.785	3.65
Manganese	mg/L	0.005	109	.294	0.114
Sulfate	mg/L	0.2	95.4	3.09	1.53
Zinc	mg/L	0.001	110	1.77	0.002
Carbon_Dioxide	mg/L	0.1			16.8
Color	mg/L	5	-	-	110
Total_Hardness	mg/L	0.1			280.3
NCH_as_CaCO3	mg/L	0.1			27.1
Odor(TON)	TON	1	-	-	<1
Field_pH	pH	0.01			-
Lab_pH	pH	0.01	100	9.25	7.48
Alkalinity	mg/L	0.1	101	2.21	253
TDS	mg/L	2.5	97.9	2.75	340
Temperature	oC	1			25
Langelier_Index	LY	0.01			0.56
Saturation_Index	pHs	0.01			6.92
Stability_Index	pH	0.01			6.37
Foaming_Agents	mg/L	0.1			0.111
Field Chlorine	mg/L	0.1			-
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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

PUBLIC DRINKING WATER ANAL''SIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 6090076
Public Water System Name Apache Shores
Public Water System Type (check one):
( )Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi Turbidity_X_;Inorganic_X_; Trihalomethane ___;
Volatile Organic___; Organic Chemical_X_; 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):
Laboratory Sample Number 17258
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 7/15/91
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 7/16/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/(() 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	17258	1	5.80	EPA180.1	0.05	7/16/91

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	17258	0.05	.000644	EPA206.3	0.0005	7/11/91
1010	Barium	17258	1	.0400	EPA208.1	0.01	7/3/91
1015	Cadmium	17258	0.01	.00200	EPA213.1	0.001	7/3/91
1020	Chromium	17258	0.05	<0.005	EPA218.1	0.005	7/5/91
1025	Fluoride	17258	4	.0490	EPA340.1	0.05	7/11/91
1030	Lead	17258	0.05	<0.001	EPA239.2	0.001	7/10/91
1035	Mercury	17258	0.002	.000300	EPA245.1	0.0002	7/11/91
1040	Nitrate(as N)	17258	10	1.81	EPA353.1	0.01	07-05-91
1045	Selenium	17258	0.01	<0.0005	EPA270.3	0.0005	7/8/91
1050	Silver	17258	0.05	<0.005	EPA272.1	0.005	7/3/91
1052	Sodium	17258	160	7.90	EPA273.1	0.002	7/7/91

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	17258	0.0002	<.000001	EPA508	.000001	7/15/91
2010	Lindane	17258	0.004	<.000001	EPA508	.000001	7/15/91
2015	Methoxychlor	17258	0.1	<0.00001	EPA508	0.00001	7/15/91
2020	Toxaphene	17258	0.005	<0.0001	EPA508	0.0001	7/15/91
2105	2,4-D	17258	0.1	<0.00005	EPA515	0.00005	7/15/91
2110	2,4,5-TP(Silvex)	17258	0.01	<0.00002	EPA515	0.00002	7/15/91

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	17258		106	EPA215.1	0.1	7/8/91
1017	Chloride	17258	250	14.4	EPA300.0	0.015	07-08-91
1019	Carbonate CaCO3	17258		253.2	SM314A	0.1	
1021	Hydroxide CaCO3	17258		0.0	SM406C	0.01	
1022	Copper	17258	1	<0.005	EPA220.1	0.005	7/7/91
1023	Bicarbonate CaCO3	17258		252.5	SM406C	0.01	
1026	Bicarbonate HCO3	17258		0.7	SM406C	0.01	

1027	Hydrogen Sulfide	7258			EPA376.1	0.5	
1028	Iron	17258	0.3	2.10	EPA236.1	0.01	7/7/91
1031	Magnesium	17258		3.65	EPA242.1	0.01	7/8/91
1032	Maganese	17258	0.05	.114	EPA243.1	0.005	7/7/91
1055	Sulfate	17258	250	1.53	EPA300.0	0.200	7/5/91
1095	Zinc	17258	5	.00200	EPA289.1	0.001	7/7/91
1901	Carbon Dioxide	17258		16.8	SM406C	0.01	
1905	Color (color units)	17258	15	110	EPA110.1	5	7/8/91
1915	Total Hardness	17258		280.3	SM314A	0.1	
1917	NCH as CaCO3	17258		27.1	SM314A	0.1	
1920	Odor (total odor number	17258	3	<1	EPA140.1	1	
1924	Field pH (units)	17258	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	17258	6.5-8.5	7.48	EPA150.1	0.01	7/5/91
1926	Field Conductivity	17258			-	0.01	
1927	Total Alkalinity	17258		253	EPA310.1	0.1	7/8/91
1930	TDS	17258	500	340	EPA160.1	2.5	7/16/91
1931	Phenolphthalein Alk.	17258			EPA310.1	0.1	
1996	Field Temp. (C)	17258		25	-		1
1997	Langelier Index	17258	-0.2:+0.2	0.58	SM203	0.01	
1998	Saturation Index	17258		6.92	SM203	0.01	
1999	Stability Index	17258		6.37	SM203	0.01	
2909	Foaming Agents	17258	0.5	.111	EPA425.1	0.1	7/12/91
9996	Field DO	17258			-	0.1	
9997	Field Chlorine	17258			-	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: Citrus Springs
Address: 9840 E. Citrus Springs Blvd.
Citrus Springs, FL 32630
Phone: 904-489-2052

FCL Client No.
FCL Project Manager: L. Sebeck
FCL Lab Coordinator: S. Welsh
Requested Due Date: A.A.P.

P.O. Number
Project Name / No.: Apache River $76225
Contact: A. Bullock

Sampled By (PRINT):
Sampler Signature
Date Sampled: 7-1-91

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	HCl	ANALYSES REQUEST: Rem. Chl.	Rem. Tox.	Sec.	TB
1	Apache Shores		DW	17253									
2													
3													
4													
5													
6													

CARRIER	BAILERS	SHIP DATES: OUT / DATE	RETURNED / DATE	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
UPS		7/1/91		[signature] FCL	7/1-91	11:5[illegible]	[signature] Flowers	7/2	1:21

SPECIAL INSTRUCTIONS
No Air Travels

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

0058

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	17540	1	3.50	EPA180.1	0.05	8/27/91

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	Calcium	17540			EPA180.1	0.0500	
1017	Chloride	17540	250		EPA215.1	0.10	
1019	Carbonate CaCO3	17540			EPA300.0	0.015	
1021	Hydroxide CaCO3	17540			SM314A	0.100	
1022	Copper	17540	1		SM406C	0.10	
1023	Bicarbonate CaCO3	17540			EPA220.1	0.005	
1026	Bicarbonate HCO3	17540			SM406C	0.1000	
1027	Hydrogen Sulfide	17540			SM406C	0.10	
1028	Iron	17540	0.3	1.1400	EPA376.1	0.5000	8/19/91
1031	Magnesium	17540			EPA238.1	0.010	
1032	Manganese	17540	0.05	0.796	EPA242.1	0.010	8/19/91
1055	Sulfate	17540	250		EPA243.1	0.005	
1095	Zinc	17540	5		EPA300.0	0.2	
1901	Carbon Dioxide	17540			EPA289.1	0.001	
1905	Color (color units)	17540	15		SM406C	0.1	
1915	Total Hardness	17540			EPA110.1	5	
1917	NCH as CaCO3	17540			SM314A	0.1	
1920	Odor (total odor number	17540	3		SM314A	0.1	
1924	Field pH (units)	17540	6.5-8.5		EPA140.1	1.0	
1925	Lab pH (units)	17540	6.5-8.5		EPA150.1	0.01	
1926	Field Conductivity	17540			EPA150.1	0.01	
1927	Total Alkalinity	17540			-	0.100	
1930	TDS	17540	500		EPA310.1	0.100	
1931	Phenolphthalein Alk.	17540			EPA160.1	2.500	
1996	Field Temp. (C)	17540			EPA310.1	0.1	
1997	Langelier Index	17540	-0.2:+0.2		-	1	
1998	Saturation Index	17540			SM203	0.01	
1999	Stability Index	17540			SM203	0.01	
2909	Foaming Agents	17540	0.5		SM203	0.01	
9996	Field DO	17540			EPA425.1	0.1	
9997	Field Chlorine	17540			-	0.1	

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name ___Apache Shores
Public Water System Type (check one):
( )Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyz: 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):
Laboratory Sample Number 17541
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 8/28/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

Turbidity Analysis
17-550.310(3)
(PWS028)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(NTU	Analytical Method	Det.Limit Used	Analysis Date
0100	Turbidity	17541	1	2.30	EPA180.1	0.05	8/27/91

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	Calcium	17541			EPA180.1	0.0500	
1017	Chloride	17541	250		EPA215.1	0.10	
1019	Carbonate CaCO3	17541			EPA300.0	0.015	
1021	Hydroxide CaCO3	17541			SM314A	0.100	
1022	Copper	17541	1		SM406C	0.10	
1023	Bicarbonate CaCO3	17541			EPA220.1	0.005	
1026	Bicarbonate HCO3	17541			SM406C	0.1000	
1027	Hydrogen Sulfide	17541			SM406C	0.10	
1028	Iron	17541	0.3	0.8910	EPA378.1	0.5000	8/19/91
1031	Magnesium	17541			EPA236.1	0.010	
1032	Manganese	17541	0.05	0.596	EPA242.1	0.010	8/19/91
1055	Sulfate	17541	250		EPA243.1	0.005	
1095	Zinc	17541	5		EPA300.0	0.2	
1901	Carbon Dioxide	17541			EPA289.1	0.001	
1905	Color (color units)	17541	15		SM406C	0.1	
1915	Total Hardness	17541			EPA110.1	5	
1917	NCH as CaCO3	17541			SM314A	0.1	
1920	Odor (total odor number	17541	3		SM314A	0.1	
1924	Field pH (units)	17541	6.5-8.5		EPA140.1	1.0	
1925	Lab pH (units)	17541	6.5-8.5		EPA150.1	0.01	
1926	Field Conductivity	17541			EPA150.1	0.01	
1927	Total Alkalinity	17541			-	0.100	
1930	TDS	17541	500		EPA310.1	0.100	
1931	Phenolphthalein Alk.	17541			EPA160.1	2.500	
1996	Field Temp. (C)	17541			EPA310.1	0.1	
1997	Langelier Index	17541	-0.2:+0.2		-	1	
1998	Saturation Index	17541			SM203	0.01	
1999	Stability Index	17541			SM203	0.01	
2909	Foaming Agents	17541	0.5		SM203	0.01	
9996	Field DO	17541			EPA425.1	0.1	
9997	Field Chlorine	17541			-	0.1	

Comments:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name Apache Shores
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:_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):
Laboratory Sample Number 17542
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 8/28/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () 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	17542	1	1.10	EPA180.1	0.05	8/27/91

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	Calcium	17542			EPA180.1	0.0500	
1017	Chloride	17542	250		EPA215.1	0.10	
1019	Carbonate CaCO3	17542			EPA300.0	0.015	
1021	Hydroxide CaCO3	17542			SM314A	0.100	
1022	Copper	17542	1		SM406C	0.10	
1023	Bicarbonate CaCO3	17542			EPA220.1	0.005	
1026	Bicarbonate HCO3	17542			SM406C	0.1000	
1027	Hydrogen Sulfide	17542			SM406C	0.10	
1028	Iron	17542	0.3	1.5700	EPA378.1	0.5000	8/19/91
1031	Magnesium	17542			EPA236.1	0.010	
1032	Manganese	17542	0.05	0.774	EPA242.1	0.010	8/19/91
1055	Sulfate	17542	250		EPA243.1	0.005	
1095	Zinc	17542	5		EPA300.0	0.2	
1901	Carbon Dioxide	17542			EPA289.1	0.001	
1905	Color (color units)	17542	15		SM406C	0.1	
1915	Total Hardness	17542			EPA110.1	5	
1917	NCH as CaCO3	17542			SM314A	0.1	
1920	Odor (total odor number	17542	3		SM314A	0.1	
1924	Field pH (units)	17542	6.5-8.5		EPA140.1	1.0	
1925	Lab pH (units)	17542	6.5-8.5		EPA150.1	0.01	
1926	Field Conductivity	17542			EPA150.1	0.01	
1927	Total Alkalinity	17542			-	0.100	
1930	TDS	17542	500		EPA310.1	0.100	
1931	Phenolphthalein Alk.	17542			EPA160.1	2.500	
1996	Field Temp. (C)	17542			EPA310.1	0.1	
1997	Langelier Index	17542	-0.2:+0.2		-	1	
1998	Saturation Index	17542			SM203	0.01	
1999	Stability Index	17542			SM203	0.01	
2909	Foaming Agents	17542	0.5		SM203	0.01	
9996	Field DO	17542			EPA425.1	0.1	
9997	Field Chlorine	17542			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD

attn: Bob Williams

CLIENT	ADDRESS	PHONE
Citrus Springs Util.	9840 N. Cit. Springs Blvd. Cit. Springs 32630	(904) 489-2452
PROJECT NAME: Crystal River Apache Shores	REQUIRED: ☐ Urgent ☐ Routine	DATE 8/12/91

Sample Containers QTY	Preservative: HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	Plastic Containers: 60mL	125mL	250mL	500mL	1L	2L	Whirl-Pak Bag	Glass Containers: 40mL Vial	250mL	500mL	1L	2L	4L	NOTES:
9	✓							✓												
9								✓												

Kit Relinquished:	Date: Time:	Kit Received:	Date: Time:
3 3 EA.			

Sample Parameters: TB Mn Fe

Laboratory Number	Client Identification/Description
17537-39	Belmont Homes Crystal River - TB4
	Collected 3 consecutive days 3 samples
	Each day total 9 for Crystal River
17540-42	Apache Shores same procedure
	total 9 from Apache

		Date	Time
Sample Collection:	Crystal River	8/12-13-14	4:00 - 4:00 - 9:00 AM
Transportation:	Apache Shores	8/12-13-14	4:00 - 4:00 - 9:00 AM
Lab Acceptance:		8/15/91	2:02

Page 1 of 1.

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

ORLANDO LABORATORIES INC

P.O. Box 19127 • Orlando, Florida 32814 • (407) 896-6645

RECEIVED MAY 2 6 1988

REPORT OF ANALYSIS

Southern States Utilities
Attn: Aaron Perlowich
1000 Color Place
Apopka, Florida 32703

Report #: 51887 (5186)
Sample submitted by: Client
Date received: 03-16-88
Date reported: 04-11-88
Date revised: 05-24-88
Page 1 of 10

PURPOSE: To analyze the sample for listed parameters
AUTHORIZATION: Sample Identification Form received from client 03-16-88
SAMPLE IDENTIFICATION: Sample submitted and identified by client as: Apache Shores Distribution.
PROCEDURE: EPA METHOD 624

RESULTS, ug/l

PURGEABLE ORGANICS BY GC/MS	RESULTS
Benzene	ND(1)
Bromodichloromethane	7
Bromoform	ND(1)
Bromomethane	ND(1)
Dibromomethane	ND(1)
Chlorobenzene	ND(1)
Chloroethane	ND(1)
2-Chloroethylvinyl ether	ND(1)
Chloroform	46
Chloromethane	ND(1)
Dibromochloromethane	ND(1)
1,1-Dichloroethane	ND(1)
Dichlorobenzene	ND(1)
1,1-Dichloroethene	ND(1)
trans-1,2-Dichloroethene	ND(1)
1,2-Dichloropropane	ND(1)
cis-1,3-Dichloropropene	ND(1)
trans-1,3-Dichloropropene	ND(1)
Ethylbenzene	ND(1)

ND = Not detected to the levels in parentheses.

Respectfully submitted,
ORLANDO LABORATORIES, INC.

Martin A. Zenaro
Laboratory Manager

Marietta Lassiter Satterfield
Quality Control

OLI Florida Department of Health & Rehabilitative Service Identification Number is 83141.

The Analytical Specialists

PROCEDURE: EPA METHOD 624

PURGEABLE ORGANICS BY GC/MS - Cont.	RESULTS
Methylene Chloride	ND(1)
Styrene	ND(1)
1,1,2,2-Tetrachloroethane	ND(1)
Dichloromethane	ND(1)
Toluene	ND(1)
1,1-Dichloropropene	ND(1)
1,1,2-Trichloroethane	ND(1)
1,3-Dichloropropane	ND(1)
Trichlorofluoromethane	ND(1)
Bromobenzene	ND(1)
meta - Xylene	ND(1)
ortho, para - Xylenes	ND(1)
1,2-Dibromo-3-chloropropane	ND(1)
Dichlorodifluoromethane	ND(1)

GC/MS VOLATILE SCAN	
Acrolein	ND(100)
Acrylonitrile	ND(100)
n-Hexane	ND(10)
2,2-Dichloropropane	ND(1)
1,1,1,2-Tetrachloroethane	ND(1)
1,2,3-Trichloropropane	ND(1)
1,3-Dichlorobenzene	ND(1)
1,4-Dichlorobenzene	ND(1)
Trichloroethylene	ND(1)
Tetrachloroethylene	ND(1)
Carbon Tetrachloride	ND(1)
Vinyl Chloride	ND(1)
1,1,1-Trichloroethane	ND(1)
1,2-Dichloroethane	ND(1)

PROCEDURE: EPA METHOD 625

ACID EXTRACTABLE ORGANICS BY GC/MS	
4-Chloro-3-methyl phenol	ND(10)
2-Chlorophenol	ND(10)
2,4-Dichlorophenol	ND(10)
2,4-Dimethylphenol	ND(10)
2,4-Dinitrophenol	ND(10)
2-Methyl-4,6-dinitrophenol	ND(10)
2-Nitrophenol	ND(10)
4-Nitrophenol	ND(10)
Pentachlorophenol	ND(10)
Phenol	ND(10)
2,4,6-Trichlorophenol	ND(10)

PROCEDURE: EPA METHOD 625

BASE/NEUTRAL EXTRACTABLES BY GC/MS	RESULTS
Acenapthene	ND(10)
Acenapthylene	ND(10)
Anthracene	ND(10)
Benzidine	ND(50)
Benzo(a)anthracene	ND(10)
Benzo(b)fluoranthene	ND(10)
Benzo(k)fluoranthene	ND(10)
Benzo(a)pyrene	ND(10)
Benzo(g,h,i)perylene	ND(10)
Benzyl-butyl phthalate	ND(10)
bis(2-Chloroethyl)ether	ND(10)
bis(2-Chloroethoxy)methane	ND(10)
bis(2-Ethylhexyl)phthalate	ND(10)
bis(2-Chloroisopropyl)ether	ND(10)
4-Bromophenyl phenyl ether	ND(10)
2-Chloronaphthalene	ND(10)
o-Chlorotoluene	ND(10)
p-Chlorotoluene	ND(10)
4-Chlorophenyl phenyl ether	ND(10)
Chrysene	ND(10)
Dibenzo(a,h)anthracene	ND(10)
Di-n-butyl-phthalate	ND(10)
1,2-Dichlorobenzene	ND(10)
1,3-Dichlorobenzene	ND(10)
1,4-Dichlorobenzene	ND(10)
3,3-Dichlorobenzidine	ND(10)
Diethyl phthalate	ND(10)
Dimethyl phthalate	ND(10)
2,4-Dinitrotoluene	ND(10)
2,6-Dinitrotoluene	ND(10)
Di-n-octyl-phthalate	ND(10)
1,2-Diphenylhydrazine	ND(10)
Fluoranthene	ND(10)
Fluorene	ND(10)

PROCEDURE: EPA METHOD 625

BASE/NEUTRAL EXTRACTABLES BY GC/MS - Cont.	RESULTS
Hexachlorobenzene	ND(10)
Hexachlorobutadiene	ND(10)
Hexachlorocyclopentadiene	ND(10)
Hexachloroethane	ND(10)
Ideno(1,2,3-c,d)pyrene	ND(10)
Isophorone	ND(10)
Naphthalene	ND(10)
Nitrobenzene	ND(10)
n-Nitrosodimethylamine	ND(10)
n-Nitrosodi-n-propylamine	ND(10)
n-Nitrosodiphenylamine	ND(10)
Phenanthrene	ND(10)
Pyrene	ND(10)
2,3,7,8-Tetrachlorodi-benzo-p-dioxin (dioxin)	ND(10)
1,2,4-Trichlorobenzene	ND(10)

PROCEDURE: EPA METHOD 608

ORGANOCHLORINE PESTICIDES	
Alpha-BHC	ND(1)
Beta-BHC	ND(1)
Delta-BHC	ND(1)
Gamma-BHC	ND(1)
Heptachlor	ND(1)
Aldrin	ND(1)
Heptachlor epoxide	ND(1)
Endosulfan I	ND(1)
Dieldrin	ND(1)
4,4'-DDE	ND(1)
O,p-DDE	ND(1)
Endosulfan II	ND(1)
4,4'-DDD	ND(1)
O,p-DDD	ND(1)
Endosulfan sulfate	ND(1)
4,4'-DDT	ND(1)
O,p-DDT	ND(1)
Endrin aldehyde	ND(1)

PROCEDURE: EPA METHOD 608

ORGANOCHLORINE PESTICIDES - Cont.	RESULTS
Alpha-Chlordane	ND(1)
Gamma-Chlordane	ND(1)
Kelthane	ND(1)
Toxaphene	ND(5)

POLYCHLORINATED BIPHENYLS, PCB's	
Arochlor 1016	ND(5)
Arochlor 1221	ND(5)
Arochlor 1232	ND(5)
Arochlor 1242	ND(5)
Arochlor 1248	ND(5)
Arochlor 1254	ND(5)
Arochlor 1260	ND(5)

ORGANOPHOSPHORUS PESTICIDES	
Diazinon	ND(50)
Ethion	ND(50)
Guthion (Azinphos methyl)	ND(50)
Malathion	ND(50)
Parathion	ND(50)
Tedion	ND(10,000)
Trithion (Carbophenothion)	ND(50)

MISCELLANEOUS PRIORITY POLLUTANTS	
Temik®, Aldicarb (mg/l)	ND(0.010)

MISCELLANEOUS PRIORITY POLLUTANTS	WELL #1	AUX WELL
Ethylene Dibromide, EDB (ug/l)	ND(0.02)	ND(0.02)

PURPOSE: To analyze the sample for Secondary Drinking Water Regulations
PROCEDURE: This water was analyzed according to "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, AWWA, and WPCF (1985).
RESULTS:

RESULTS

DETERMINATION	(MCL)	RESULTS	UNITS
Chloride, Cl	(250)	26	mg/l
Color	(15)	10	PCU
Foaming Agents, (MBAS)	(0.5)	<0.1	mg/l
Sulfate, SO_4	(250)	<1	mg/l
Total Dissolved Solids	(500)	345	mg/l
pH (Laboratory)	(6.5-8.5)	7.1	units
Odor Threshold	(3)	1	units
Copper, Cu	(1.0)	<0.010	mg/l
Iron, Fe	(0.3)	0.118	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, $CaCO_3$		229	mg/l
Carbonate Alkalinity, $CaCO_3$		0	mg/l
Bicarbonate Alkalinity, $CaCO_3$		229	mg/l
Carbonates, $CaCO_3$		0	mg/l
Bicarbonates, HCO_3		279	mg/l
Hydroxides, as OH		0	mg/l
Carbon Dioxide, CO_2		35	mg/l
Fluoride, F		<0.1	mg/l
pHs		7.1	units
Stability Index		7.1	units
Specific Conductance, umhos		523	umhos
Hydrogen Sulfide, H_2S (F-F)		<0.1	mg/l
Nitrate Nitrogen, NO_3-N		0.03	mg/l
Total Hardness, $CaCO_3$		294	mg/l
Magnesium Hardness, $CaCO_3$		15.9	mg/l
Calcium Hardness, $CaCO_3$		277	mg/l
Calcium, Ca		111	mg/l
Magnesium, Mg		3.87	mg/l

PURPOSE: To analyze the sample for Primary Drinking Water Regulations
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

CONTAMINANT	MCL	SAMPLE
INORGANIC:		
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
ORGANIC	"ORGANIC ANALYSES BY GAS CHROMATOGRAPHIC SCREENING"	
Endrin	0.0002	ND(0.0001)
Lindane	0.004	ND(0.001)
Methoxychlor	0.1	ND(0.01)
Toxaphene	0.005	ND(0.005)
2,4-D	0.1	ND(0.01)
2,4,5-TP (Silvex)	0.01	ND(0.001)

MCL = Maximum Contaminant Level.

ND = Not detected to the levels in parentheses.

PURPOSE: To analyze the sample for Gross Alpha.
PROCEDURE: EPA METHOD 900.0

RESULTS, pCi/l

DETERMINATION	STORET #	DISTRIBUTION
Gross Alpha	#01501	<0.5
Counting error	#01502	±0.4

< = Less Than

PURPOSE: To analyze the sample for listed parameters
PROCEDURE: Standard Laboratory Procedures.

DETERMINATION	ENTRY POINT TO DISTRIBUTION
Sodium, Na	7.2
Corrosivity, units	-0.1
Turbidity, NTU	<1.0

QUALITY CONTROL DATA SHEET

DUPLICATES:

PARAMETER	% DIFFERENCE	DATE	ANALYST
Diazinon	4.8	04-04-88	C.O.
Trithion	15	04-04-88	C.O.
Ethion	7.5	04-04-88	C.O.
Lindane	<1.0	04-02-88	C.O.
Endrin	2.5	04-02-88	C.O.
Methoxychlor	5.8	04-02-88	C.O.
2,4-D	11	04-01-88	C.O.
2,4,5-TP	6.7	04-01-88	C.O.
EDB	1.1	04-01-88	C.O.
pH	2.7	03-18-88	P.S.
Total Alkalinity	<1	03-18-88	P.S.
TDS	<1.0	03-22-88	J.B.
Specific Conductance	<1.0	03-22-88	J.B.
Fluoride	<1.0	03-23-88	J.B.
Color	<1.0	03-28-88	P.S.
Sulfate	5.0	03-28-88	P.S.
Sodium	2.2	03-29-88	B.D.
Chloride	<1.0	03-30-88	J.B.
Odor	<1.0	03-31-88	B.D.
MBAS	<1.0	04-02-88	B.D./M.S.
Nitrate Nitrogen	<1.0	03-31-88	B.D.
Arsenic	2.1	03-28-88	C.G.
Barium	1.1	03-30-88	C.G.
Cadmium	4.1	03-28-88	A.H.
Chromium	<1.0	03-29-88	A.H.
Lead	4.3	03-29-88	C.G.
Mercury	<1.0	03-30-88	J.H.
Selenium	1.4	04-01-88	C.G.
Silver	3.2	03-28-88	A.H.
Calcium	<1.0	04-01-88	C.G.
Magnesium	<1.0	04-01-88	C.G.
Iron	1.5	03-29-88	C.G.
Manganese	6.0	03-31-88	J.H.
Copper	<1.0	03-31-88	J.H.
Zinc	<1.0	03-25-88	J.H.
Gross Alpha	11	03-21-88	J.B.
Aldicarb	<1.0	04-04-88	C.O.

QUALITY CONTROL DATA SHEET

SPIKES:

PARAMETER	% RECOVERY	DATE	ANALYST
Diazinon	123	04-04-88	C.O.
Trithion	81	04-04-88	C.O.
Ethion	128	04-04-88	C.O.
Lindane	97	04-02-88	C.O.
Endrin	108	04-02-88	C.O.
Methoxychlor	73	04-02-88	C.O.
Lindane	129	04-02-88	C.O.
Endrin	118	04-02-88	C.O.
Methoxychlor	67	04-02-88	C.O.
2,4-D	100	04-01-88	C.O.
2,4,5-TP	101	04-01-88	C.O.
EDB	95	04-01-88	C.O.
Total Alkalinity	104	03-18-88	P.S.
TDS	107/107	03-22-88	J.B.
Specific Conductance	98/98	03-22-88	J.B.
Fluoride	101/101	03-23-88	J.B.
Sulfate	104	03-28-88	P.S.
Sodium	102/99	03-29-88	B.D.
Chloride	97/97	03-30-88	J.B.
MBAS	90	04-02-88	B.D./M.S.
Nitrate Nitrogen	100/100	03-31-88	B.D.
Arsenic	97	03-28-88	C.G.
Barium	97	03-30-88	C.G.
Cadmium	95	03-28-88	A.H.
Chromium	93	03-29-88	A.H.
Lead	105	03-29-88	C.G.
Mercury	102	03-30-88	J.H.
Selenium	92	04-01-88	C.G.
Silver	95	03-28-88	A.H.
Calcium	101	04-01-88	C.G.
Magnesium	99	04-01-88	C.G.
Iron	101	03-29-88	C.G.
Manganese	100	03-31-88	J.H.
Copper	103	03-31-88	J.H.
Zinc	102	03-25-88	J.H.
Gross Alpha	98	03-21-88	J.B.
Gross Alpha	111	03-21-88	J.B.
Aldicarb	92	04-04-88	C.O.

HRS

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 & Wastewater Lab
5356 Hwy 19 S
Hernando, Fla 32626
Lab ID# 52349 John Ruchti
12/1/11 1:30 pm.

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Apache Shores SYSTEM I.D. NO: 6090076 SYSTEM PHONE #904 459 2452
ADDRESS: [redacted] Hernando COUNTY: Citrus DER DISTRICT: SLO
COLLECTOR: P Bacon PHONE #: 904 459 2452
SAMPLE SITE (Locality or Subdivision): Apache Shores
DATE AND TIME COLLECTED: 12-1-11 10 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) [X] Distribution [X] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	Well 1	0	7.4	2692 H		A		
2	Well 2 Standby	0	7.4	2692 B		A		
3	Storage Tank	2.5	7.6	2692 C		A		
4	Lot 22 Blk 41 Blue water	0.8	7.6	2692 D		A		
5	4209 Blue water	0.7	7.6	2692 E		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

HRS Form 850, Jan 87 (Stock Number 6160-0)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

Citrus Springs Utilities
P.O Box 217
Dunnellon, Fl
32630

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

REVIEWING OFFICIAL: Brenda Ball
TITLE: EST

Apple Valley - 332

Seminole County (SSU)

Water

- 1992 FPSC Filing -

Apple Valley

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	2/91
Organic	2/91
Volatile Organic Chemicals	6/89
	9/89
	12/89
	2/90
Turbidity	2/91
Microbiological	12/91
Radionuclide	2/91
Secondary Contaminants	2/91
Unregulated Contaminants	2/91

MOK

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar 4 1991
PO Number: 22158
PO Number (Apple Valley)
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received: Feb14 1991

Lab Number : 16300

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16300
Turbidity	NTU	0.05	103	.000	0.35
Arsenic	mg/L	0.0005	99.4	1.39	<0.0005
Barium	mg/L	0.01	103	.509	<0.01
Cadmium	mg/L	0.001	106	.992	<0.001
Chromium	mg/L	0.005	106	2.29	<0.005
Fluoride	mg/L	0.05	86.3	.230	<0.05
Lead	mg/L	0.01	109	1.14	<0.01
Mercury	mg/L	0.0002	102	2.12	<0.0002
Nitrate(as N)	mg/L	0.01	97.3	.099	0.0526
Selenium	mg/L	0.0005	107	3.15	<0.0005
Silver	mg/L	0.005	101	1.81	<0.005
Sodium	mg/L	0.002	101	1.24	5.75
Endrin	mg/L	0.000001	94.8	9.55	<0.000001
Lindane	mg/L	0.000001	96.3	7.78	<0.000001
Methoxychlor	mg/L	0.00001	97.2	3.56	<0.00001
Toxaphene	mg/L	0.0001	100	1.27	<0.0001
2,4-D	mg/L	0.00005	90.9	5.53	<0.00005
2,4,5-TP (Silvex)	mg/L	0.00002	103	1.82	<0.00002
Calcium	mg/L	0.1	106	1.67	45.6
Chloride	mg/L	0.015	101	1.56	15
Carbonate_CaCO3	mg/L	0.1			121.4
Hydroxide_CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	107	1.06	0.005
Bicarbonate _CaCO3	mg/L	0.1			121
Carbonate_Alkalinity	mg/L	0.1			0.3
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

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 450-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
305 407 339-5984

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar 4 1991
PO Number: 22158
PO Number Apple Valley
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received: Feb14 1991
Lab Number : 16300

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16300
Iron	mg/L	0.01	103	.518	0.118
Magnesium	mg/L	0.01	106	.719	10.01
Manganese	mg/L	0.005	102	2.80	0.055
Sulfate	mg/L	0.2	101	1.90	4.45
Zinc	mg/L	0.001	108	.637	0.003
Carbon_Dioxide	mg/L	0.1			8.01
Color	mg/L	5	-	.000	15
Total_Hardness	mg/L	0.1			155.5
NCH_as_CaCO3	mg/L	0.1			34.1
Odor(TON)	TON	1	-	.000	<1
Field_pH	pH	0.01			-
Lab_pH	pH	0.01	101	.389	7.48
Alkalinity	mg/L	0.1	91.6	1.02	121
TDS	mg/L	2.5	98.0	.079	166
Temperature	oC	1			25
Langelier_Index	LX	0.01			-0.22
Saturation_Index	pHs	0.01			7.7
Stability_Index	pH	0.01			7.92
Foaming_Agents	mg/L	0.1	1.36	.000	<0.1
Field Chlorine	mg/L	0.1			-
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 QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D
Jefferson S. Flowers, Ph.D
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS. 407-339-5994
FAX 407-830-4111

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590039
Public Water System Name Apple Valley
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzt Turbidity_X_;Inorganic_X_; Trihalomethane ___;
Volatile Organic___; Organic Chemical_X_; Secondary Chemical_X_; Radiological_X_;
Unregulated Organic Purgeable__ ; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___;Unregulated Acid Extractable___;
Subcontracted Lab Certification Numbe For Radiological Parameters: HRS82139

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 16300
Sample Location (be specific): _____
Sample Type (check all applicable):
( )Check (X)Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time (X)Plant Tap
( )Raw ( )Well ( )Resample
( )Special _____
Sampler Name, Title Phone: _____
_____

ANALYSIS INFORMATION
Extraction Date 2/26/91
Laboratory Com Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTEI 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 3/4/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () 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	16300	1	.350	EPA180.1	0.05	2/22/91

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	16300	0.05	<0.0005	EPA206.3	0.0005	2/20/91
1010	Barium	16300	1	<0.1	EPA208.1	0.01	2/21/91
1015	Cadmium	16300	0.01	<0.001	EPA213.1	0.001	2/21/91
1020	Chromium	16300	0.05	<0.005	EPA218.1	0.005	2/21/91
1025	Fluoride	16300	4	.0488	EPA340.1	0.05	2/19/91
1030	Lead	16300	0.05	.00510	EPA239.1	0.01	2/20/91
1035	Mercury	16300	0.002	<0.0002	EPA245.1	0.0002	2/22/91
1040	Nitrate(as N)	16300	10	.0526	EPA353.1	0.01	02-20-91
1045	Selenium	16300	0.01	<0.0005	EPA270.3	0.0005	2/20/91
1050	Silver	16300	0.05	<0.005	EPA272.1	0.005	2/22/91
1052	Sodium	16300	160	5.75	EPA273.1	0.002	2/20/91

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	16300	0.0002	<.000001	EPA508	.000001	2/26/91
2010	Lindane	16300	0.004	<.000001	EPA508	.000001	2/26/91
2015	Methoxychlor	16300	0.1	<0.00001	EPA508	0.00001	2/26/91
2020	Toxaphene	16300	0.005	<0.0001	EPA508	0.0001	2/26/91
2105	2,4-D	16300	0.1	<0.00005	EPA515	0.00005	2/27/91
2110	2,4,5-TP (Silvex)	16300	0.01	<0.00002	EPA515	0.00002	2/27/91

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	Calcium	16300		45.6	EPA215.1	0.1	2/19/91
1017	Chloride	16300	250	15.0	EPA300.0	0.015	02-18-91
1019	Carbonate CaCO3	16300		121.4	SM314A	0.1	2/19/91
1021	Hydroxide CaCO3	16300		0.0	SM406C	0.1	2/19/91
1022	Copper	16300	1	.00500	EPA220.1	0.005	2/19/91
1023	Bicarbonate CaCO3	16300		121.0	SM406C	0.1	2/19/91
1026	Carbonate Alkalinity	16300		0.3	SM406C	0.1	2/19/91

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	16300	1	.350	EPA180.1	0.05	2/22/91

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	16300	0.05	<0.0005	EPA206.3	0.0005	2/20/91
1010	Barium	16300	1	<0.1	EPA208.1	0.01	2/21/91
1015	Cadmium	16300	0.01	<0.001	EPA213.1	0.001	2/21/91
1020	Chromium	16300	0.05	<0.005	EPA218.1	0.005	2/21/91
1025	Fluoride	16300	4	.0488	EPA340.1	0.05	2/19/91
1030	Lead	16300	0.05	.00510	EPA239.1	0.01	2/20/91
1035	Mercury	16300	0.002	<0.0002	EPA245.1	0.0002	2/22/91
1040	Nitrate(as N)	16300	10	.0526	EPA353.1	0.01	02-20-91
1045	Selenium	16300	0.01	<0.0005	EPA270.3	0.0005	2/20/91
1050	Silver	16300	0.05	<0.005	EPA272.1	0.005	2/22/91
1052	Sodium	16300	160	5.75	EPA273.1	0.002	2/20/91

Comments:

1027	Hydrogen Sulfide	16300			EPA376.1	0.5	
1028	Iron	16300	0.3	.116	EPA236.1	0.01	2/18/91
1031	Magnesium	16300		10.1	EPA242.1	0.01	2/19/91
1032	Manganese	16300	0.05	.0550	EPA243.1	0.005	2/21/91
1055	Sulfate	16300	250	4.45	EPA300.0	0.200	2/26/91
1095	Zinc	16300	5	.00300	EPA289.1	0.001	2/22/91
1901	Carbon Dioxide	16300		6.1	SM406C	0.1	2/19/91
1905	Color	16300	15	15.0	EPA110.1	5	2/21/91
1915	Total Hardness	16300		155.5	SM314A	0.1	2/19/91
1917	NCH as CaCO3	16300		34.1	SM314A	0.1	2/19/91
1920	Odor(TON)	16300	3	<1	EPA140.1	1	2/21/91
1924	Field pH	16300	6.5-8.5	7.2	EPA150.1	0.01	
1925	Lab pH	16300	6.5-8.5	7.48	EPA150.1	0.01	2/20/91
1927	Alkalinity	16300		121	EPA310.1	0.1	2/21/91
1930	TDS	16300	500	166	EPA160.1	2.5	2/19/91
1996	Temperature	16300		25	-	-1	2/19/91
1997	Langelier Index	16300	-0.2:+0.2	-0.22	SM203	0.01	2/19/91
1998	Saturation Index	16300		7.70	SM203	0.01	2/19/91
1999	Stability Index	16300		7.92	SM203	0.01	2/19/91
2909	Foaming Agents	16300	0.5	.0637	EPA425.1	0.1	2/22/91
	Field Chlorine	16300		1.6	-	0.1	
	Field Conductivity			234			
	Field DO			10			
	Field Temp. (C)			23.9			

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	16300	5	<1	EPA900	1	3/5/91

Comments:

[redacted]

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-330

Dan Corder

(1) Client: Southern States (2) Address: 1000 Colee Place (3) Phone: 880-0058

(4) Public Drinking Water ID #: 3540039 (5) Public Water System Name: Apple Valley Shell Acres

(6) Project #: COLD VOLUG (8) Public Water System Type: [X] Community [ ] Non-Community [ ] Special Non-Community

(7) PO#: 22158

(9)	Preservative: HNO3	Preservative: ZnOAc/NaOH	Plastic Containers: 40ml	125ml	250ml	500ml	1L	Wide-Top Bag	Glass Containers: 40ml	250ml	500ml	1L	2L	4L
		✓										✓		
							✓							
		✓												
						✓								

NOTES:
(8) Turn Around Time:
10 Working Days:
5 Working Days :
3 Working Days :
1 Working Day :
Other :

(10) Relinquished: (10) Date/Time

(11) Received (11) Date/Time

(12) SAMPLE INFORMATION: SAMPLE DATE: MONTH Feb DATE 14 YEAR 1991
SAMPLE TYPE (check all applicable): ( ) check, ( ) regular distribution
( ) composite, ( ) clearance, ( ) max residence time, (X) plant tap,
( ) raw, ( ) well, ( ) resample _____, ( ) special _____
SAMPLER'S NAME: James Johnson TITLE: opcr. PHONE: 880-0058
SAMPLER'S SIGNATURE: James Johnson
NOTES:
Sample 10:15 Am

#5108

Cl2 1.6 ppm
pH 7.2
DO 10 mg/l
Temp 75° F
Conductivity 234

1 Sample

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

(14) Laboratory Number	(15) Client Sample Identification
16300	#1
	#2
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

(16) Collectors Signature: James Johnson Date: 2/14/91 Time: 10:15 Am
(17) Transporters Signature: [redacted] Date: 2/14/91 Time: 1:45
(18) Lab Acceptance By: [redacted]

Orlando Laboratories, Inc. 1st Quarter REPORT OF ANALYSIS Work Order # 89-08-148
Received: 08/14/89

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Data Reported: 09/29/89
OLI Contact: JOYCE_CASPER

Work ID: Apple Valley Water Plant
Total Samples: 2
Matrix: Water

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Comp #1	504R EDB
02 Method Blank	524R DER 17-550 Regulated VOA

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number EB3033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

Victor Kowalski
LABORATORY DIRECTOR

Susan Lukasik
QUALITY CONTROL

Orlando Laboratories, Inc.
Received: 05/14/89

REPORT OF ANALYSIS
Results by Sample

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Regulated VOA

SAMPLE# 02A
MATRIX METHODBLANK
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST TCP

DATE EXTRACTED NA
DATE RUN 05/16/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
p-Dichlorobenzene	.5 U
1,1-Dichloroethene	.5 U
Trichloroethene	.5 U
Tetrachloroethene	.5 U
Carbon Tetrachloride	.5 U
Vinyl Chloride	.5 U
1,1,1-Trichloroethane	.5 U
1,2-Dichloroethane	.5 U
Benzene	.5 U

SURROGATES	%RECOVERY
1,2-Dichloroethane (SS1)	82
Toluene-d8 (SS2)	107
Bromofluorobenzene (SS3)	100

[illegible] Laboratories, Inc.
Received: 06/14/89

REPORT OF ANALYSIS
Results by Sample

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME EDB

SAMPLE# 02A
MATRIX METHODBLANK
TEST CODE 504R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RAM

DATE EXTRACTED 06/14/89
DATE RUN 06/15/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
EDB	.02 U

Received: 06/14/89

REPORT OF ANALYSIS
Results by Sample

SAMPLE ID Comp #1
DATE COLLECTED 06/13/89 14:30:00
TEST NAME OER 17-550 Regulated VOA

SAMPLE# 014
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST TCP

DATE EXTRACTED NA
DATE RUN 06/16/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
p-Dichlorobenzene	.5 U
1,1-Dichloroethene	.5 U
Trichloroethene	.5 U
Tetrachloroethene	.5 U
Carbon Tetrachloride	.5 U
Vinyl Chloride	.5 U
1,1,1-Trichloroethane	.5 U
1,2-Dichloroethane	.5 U
Benzene	.5 U

SURROGATES	%RECOVERY
1,2-Dichloroethane (SS1)	87
Toluene-d8 (SS2)	95
Bromofluorobenzene (SS3)	95

[illegible] Laboratories, Inc.
Received: 06/14/89

REPORT OF ANALYSIS
Results by Sample

SAMPLE ID Comp #1
DATE COLLECTED 06/13/89 14:30:00
TEST NAME EDB

SAMPLE# 01A
MATRIX WATER
TEST CODE 504R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RAM

DATE EXTRACTED 06/14/89
DATE RUN 06/15/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
EDB	.02U

Serving Florida Since 1960

Southern States Utilities, Inc.

1000 COLOR PLACE
APOPKA, FLORIDA 32703

TELEPHONE 407-880-0100
TOLL FREE 1-800-432-4501

September 28, 1989

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

Re: Apple Valley Water Treatment Plant
Sampling Results - 2nd Quarter

Dear Ms. Carrasquillo:

Enclosed you will find results for the 2nd Quarter VOC analysis for the above plant. Please enter this in your records.

Thank you for your cooperation.

Sincerely,
SOUTHERN STATES UTILITIES, INC.

Donald B. Corder

Don Corder
Area Supervisor

DC/at

cc: Engineering Dept. Apopka Office
Charles Sweat
File

ORLANDO LABORATORIES INC

Don

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 # : 89-09-033
Date Received: 09/06/89
Date Reported: 09/25/89
OLI Contact: E_HOBBS

Work ID: Apple Valley Water Plant
Total Samples: 4

2nd. Qtr.

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Well #1	504R EDB
02 Well #2	524R DER 17-550 Regulated VOA
03 Trip Blank	
04 Method Blank	

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 93141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

LABORATORY DIRECTOR

QUALITY CONTROL

The Analytical Specialists

Orlando Laboratories,Inc.
Received: 09/06/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-09-033

SAMPLE ID Well #1
DATE COLLECTED 09/05/89 16:15:00
TEST NAME EDB

SAMPLE# 01A
MATRIX WATER
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAR

DATE EXTRACTED 09/06/89
DATE RUN 09/06/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
EDB	0.02 U

Orlando Laboratories, Inc.
Received: 09/06/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-09-033

SAMPLE ID Well #1
DATE COLLECTED 09/05/89 16:15:00
TEST NAME OER 17-550 Regulated VOA

SAMPLE# 01A
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 9/8/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
p-Dichlorobenzene	0.5 U
1,1-Dichloroethene	0.5 U
Trichloroethene	0.5 U
Tetrachloroethene	0.5 U
Carbon Tetrachloride	0.5 U
Vinyl Chloride	0.5 U
1,1,1-Trichloroethane	0.5 U
1,2-Dichloroethane	0.5 U
Benzene	0.5 U

SURROGATES	%RECOVERY
1,2-Dichloroethane (SS1)	90
Toluene-d8 (SS2)	110
Bromofluorobenzene (SS3)	95

Orlando Laboratories, Inc.
Received: 09/06/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-09-033

SAMPLE ID Well #2
DATE COLLECTED 09/05/89 16:20:00
TEST NAME EDB

SAMPLE# 02A
MATRIX WATER
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAR

DATE EXTRACTED 09/06/89
DATE RUN 09/06/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
EDB	0.02 U

Orlando Laboratories,Inc.
Received: 09/06/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-09-033

SAMPLE ID Well #2
DATE COLLECTED 09/05/89 16:20:00
TEST NAME OER 17-550 Regulated VOA

SAMPLE# 02A
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 9/8/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
p-Dichlorobenzene	0.5 U
1,1-Dichloroethene	0.5 U
Trichloroethene	0.5 U
Tetrachloroethene	0.5 U
Carbon Tetrachloride	0.5 U
Vinyl Chloride	0.5 U
1,1,1-Trichloroethane	0.5 U
1,2-Dichloroethane	0.5 U
Benzene	0.5 U

SURROGATES	%RECOVERY
1,2-Dichloroethane (SS1)	96
Toluene-d8 (SS2)	104
Bromofluorobenzene (SS3)	92

Orlando Laboratories, Inc.
Received: 09/06/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-09-033

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME EDB

SAMPLE# 04A
MATRIX METHODBLANK
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 09/06/89
DATE RUN 09/06/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
EDB	0.02 U

Orianne Laboratories,Inc.
Received: 09/06/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-09-033

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Regulated VOA

SAMPLE# 04A
MATRIX METHODBLANK
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 9/8/89
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
p-Dichlorobenzene	0.5 U
1,1-Dichloroethene	0.5 U
Trichloroethane	0.5 U
Tetrachloroethene	0.5 U
Carbon Tetrachloride	0.5 U
Vinyl Chloride	0.5 U
1,1,1-Trichloroethane	0.5 U
1,2-Dichloroethane	0.5 U
Benzene	0.5 U

SURROGATES	%RECOVERY
1,2-Dichloroethane (SS1)	86
Toluene-d8 (SS2)	108
Bromofluorobenzene (SS3)	97

Orlando Laboratories,Inc.
Received: 09/06/89

REPORT OF ANALYSIS
NonReported Work

Work Order # 89-09-033

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

03A : NOTEST

ORLANDO LABORATORIES. INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 09-07-1989

LAB SAMPLE # : 8909032-01A
ANALYSIS DATE : 09/06/89

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	57	57	60	60	5

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	47	92	15	47	92	20

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 09-11-1989

LAB SAMPLE # : 8909037-1a
ANALYSIS DATE : 9/8/89

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
1,1-dichloroethene	50	0	60	120	70	140	15 *
trichloroethene	50	0	45	90	50	100	11
benzene	50	0	48	96	53	106	10
toluene	50	0	50	100	52	104	4
chlorobenzene	50	0	48	96	51	102	6

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

End of Report

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

CHAIN-OF-CUSTODY RECORD

Page ____ of ____ № 01122

INVOICE TO: Southern States Util | ADDRESS: 1000 Color Place Apopka Fla 32703 | CONTACT/PHONE #: 880-0100 | OLI WORK ORDER #: 890903B

REPORT TO: Southern States Util | ADDRESS: 1000 Color Pl. Apopka | PO NUMBER: 1980

CLIENT PROJECT NAME: D.E.R. @ ~~Mt. Dora Mobile Manor~~ Apopka Valley | CLIENT PROJECT #: ~~330~~ 332

CLIENT PROJECT LOCATION: ~~Mt. Dora Mobile Manor Longwood~~ Apopka Valley Altamonte Spgs

LAB USE ONLY	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	WATER	SOIL	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	REQUESTED ANALYSIS: 504	524	REMARKS
	Well #1	9/5/89	4:15						2	✓	✓	
	Well #2	9/5/89	4:20						2	✓	✓	
	Well #1	9/5/89	4:25						2		✓	
	Well #2	9/5/89	4:30						2		✓	

FINALIZED (INITIALS)	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	James Johnson	648 9/6/89	[illegible]	9/6/89 8:48

ADDITIONAL REMARKS

James Johnson
SAMPLER'S SIGNATURE

Original - Client
Yellow - Lab

0101

Serving Florida Since 1960

Southern States Utilities, Inc.

1000 COLOR PLACE
APOPKA, FLORIDA 32703

TELEPHONE 407-880-0100
TOLL FREE 1-800-432-4501

December 11, 1989

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

Re: Apple Valley Water Plant, Seminole County, ID# 3590039

Dear Ms. Carrasquillo,

Please find attached results for the Third Quarter "EDB" analysis, and Volatile organic analysis for the above mentioned plant. Please enter this in your records.

Thank you for your cooperation.

Sincerely,
SOUTHERN STATES UTILITIES, INC

Donald B Corder

Don Corder,
Area Supervisor

DC/cd
CC: Aaron Perlowich
Engineering
file

enclosure (as stated)

ORLANDO LABORATORIES INC.

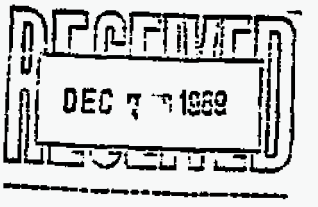
P.O. Box 149127 • Orlando, Florida 32814 • (407) 898-6645

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 89-11-248
Date Received: 11/21/89
Date Reported: 11/30/89
OLI Contact: E_HOBBS



Work ID: 332 Apple Valley Water Plant
Total Samples: 3

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Comp #1 (Wells #1 & #2)	504R 17-550 "EDB" Analysis
02 Trip Blank	524R DER 17-550 Regulated VOA's
03 Method Blank	

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

ORLANDO LABORATORIES,INC.
Received: 11/21/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-11-248

SAMPLE ID Comp #1 (Wells #1 & #2)
DATE COLLECTED 11/21/89 13:15:00
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHN

DATE EXTRACTED 11/21/89
DATE RUN 11/28/89
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
(PWSOZB)

Parameter ID	Name	Analysis Result		Det. Lt.
2946	Ethylene dibromide	0.02	U	0.02

ORLANDO LABORATORIES, INC.
Received: 11/21/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-11-248

SAMPLE ID Como #1 (Wells #1 & #2)
DATE COLLECTED 11/21/89 13:15:00
TEST NAME DER 17-550 Regulated VOA's

SAMPLE# 01A
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 11/28/89
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt. Used
2969	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 11/21/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-11-248

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 03A
MATRIX METHODBLANK
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHW

DATE EXTRACTED 11/21/89
DATE RUN 11/28/89
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2946	Ethylene dibromide	0.02	U	0.02

ORLANDO LABORATORIES, INC.
Received: 11/21/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-11-248

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME OER 17-550 Regulated VOA's

SAMPLE# 03A
MATRIX METHODBLANK
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 11/28/89
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt. Used
2969	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 11/21/89

REPORT OF ANALYSIS
NonReported Work

Work Order # 89-11-248

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

Q2A : NOTEST

ORLANDO LABORATORIES,INC.
Received: 11/21/89

REPORT OF ANALYSIS
NonReported Work

Work Order # 89-11-248

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 : 11-29-1989

LAB SAMPLE # : 8911230-3
ANALYSIS DATE : 11/28/89

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
1,1-dichloroethene	50	0	48	96	52	104	8
trichloroethene	50	0	50	100	50	100	0
benzene	50	0	53	106	47	94	12 *
toluene	50	0	47	94	53	106	12
chlorobenzene	50	0	45	90	47	94	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

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 11-28-1989

LAB SAMPLE # : 8911243-01A
ANALYSIS DATE : 11/28/89

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	58	58	58	58	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	59	132	20	50	130	25

End of Report

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

CHAIN-OF-CUSTODY RECORD

Page ____ of ____ № 02009

INVOICE TO: Southern States Util, Inc
ADDRESS: 1000 Color Place-Apopka
CONTACT/PHONE #: 880-0100
OLL WORK ORDER #: 891248
REPORT TO: Aaron Perlowich
ADDRESS: Same
RB NUMBER: 183
CLIENT PROJECT NAME: Apple Valley Water Plant
CLIENT PROJECT #: 332
CLIENT PROJECT LOCATION: Plant

LAB USE ONLY	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	WATER	SOIL	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	REQUESTED ANALYSIS: SOYR - 524R	REMARKS
	#1 Well	11-21	1315		✓	✓			5	X	
	#2 Well	11-21	1315		✓	✓			5	X	

TRANSFER NUMBER	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	Don Corder	11-21/1405	[illegible]	11/21/84 14 10

ADDITIONAL REMARKS:

Donald B. Corder
SAMPLER'S SIGNATURE

0112

ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6845

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 90-02-081
Date Received: 02/06/90
Date Reported: 02/13/90
OLI Contact: E_HOBBS

Work ID: Apple Valley (4th Qtr) VOC + Halogens.
Total Samples: 4

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Well #1	504R _7-550 "EDB" Analysis
02 Well #2	504U 17-550 "DBCP" Analysis
03 Trip Blank	524R DER 17-550 Regulated VOA's
04 Method Blank	524U DER 17-550 Unregulated VOA
	531U DER 17-550 Unreg Pest 531s
	608U DER 17-550 Unreg Pest 608s
	615U DER 17-550 Unreg Pest 615s
	622U DER 17-550 Unreg Pest 622s
	625U DER 17-550 Unreg BNAs/Pest

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

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

Victor Kowalski
Victor Kowalski
LABORATORY DIRECTOR

Eric Malarek
Eric Malarek
QUALITY CONTROL

The Analytical Specialists

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-181

SAMPLE ID Well #1
DATE COLLECTED 02/06/90 15:15:00
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 02/08/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
PWSOCS)

Parameter ID	Name	Analysis Result		Det. Lim.
2946	Ethylene dibromide	0.02	U	0.02

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-161

SAMPLE ID Well #1
DATE COLLECTED 02/06/90 15:15:00
TEST NAME 17-550 "OSCP" Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE 504U

SAMPLE TYPE WATER
UNITS ug/L
ANALYST JAB

DATE EXTRACTED 02/06/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
PWS034)

Parameter ID	Name	Analysis Result	Det. Lt.
2931	1,2-dibromo-3-chloro propane	0.02 U	0.02

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-031

SAMPLE ID Well #1
DATE COLLECTED 02/06/90 15:15:00
TEST NAME DER 17-550 Regulated VOA's

SAMPLE# 01A
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/9/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(C)(d)
(PWSO28)

Parameter ID	Name	Analysis Result		Det. Lt.
2969	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-051

SAMPLE ID Well #1
DATE COLLECTED 02/06/90 15:15:00
TEST NAME DER 17-550 Unregulated VOA

SAMPLE# 01A
MATRIX WATER
TEST CODE 524U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/9/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2010	Chloromethane	0.5	U	0.5
2012	Dichlorodifluoromethane	0.5	U	0.5
2014	Bromomethane	0.5	U	0.5
2016	Chloroethane	0.5	U	0.5
2018	Trichlorofluoromethane	0.5	U	0.5
2024	trans-1,3-Dichloro propene	0.5	U	0.5
2028	cis-1,3-Dichloropropene	0.5	U	0.5
2051	Methyl tert-butyl ether	0.5	U	0.5
2080	cis-1,2-Dichloroethene	0.5	U	0.5
2408	Dibromomethane	0.5	U	0.5
2410	1,1-Dichloropropene	0.5	U	0.5
2412	1,2-Dichloroethane	0.5	U	0.5
2414	1,2,3-Trichloropropane	0.5	U	0.5
2416	2,2-Dichloropropane	0.5	U	0.5
2941	Chloroform	0.5	U	0.5
2942	Bromoform	0.5	U	0.5
2943	Bromodichloromethane	0.5	U	0.5
2944	Dibromochloromethane	0.5	U	0.5
2962	para-Xylene	0.5	U	0.5
2964	Methylene Chloride	0.5	U	0.5
2965	o-Chlorotoluene	0.5	U	0.5
2966	p-Chlorotoluene	0.5	U	0.5
2967	meta-Dichlorobenzene	0.5	U	0.5
2968	Ortho-Dichlorobenzene	0.5	U	0.5
2979	1,1-Dichloroethane	0.5	U	0.5
2979	trans-1,2-Dichloroethene	0.5	U	0.5
2983	1,2-Dichloropropane	0.5	U	0.5
2985	1,1,2-Trichloroethane	0.5	U	0.5
2986	1,1,1,2-Tetrachloro ethane	0.5	U	0.5
2988	1,1,2,2-Tetrachloro ethane	0.5	U	0.5
2989	Chlorobenzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-[illegible]1
Continued From Above

SAMPLE ID Well #1
DATE COLLECTED 02/06/90 15:15:00
TEST NAME OER 17-550 Unregulated VOA

SAMPLE# 01A
MATRIX WATER
TEST CODE 5240

2391	Toluene	0.5	U	0.5
2392	Ethylbenzene	0.5	U	0.5
2393	Bromobenzene	0.5	U	0.5
2395	meta-Xylene	0.5	U	0.5
2396	Styrene	0.5	U	0.5
2397	ortho Xylene	0.5	U	0.5

PLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-081

SAMPLE ID Well #1
DATE COLLECTED 02/06/90 15:15:00
TEST NAME GER 17-550 Unreg Pest 531.0

SAMPLE# 01A
MATRIX WATER
TEST CODE 531U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED NA
DATE RUN 02/07/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-531
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2036	Oxamyl (Vydate)	2.0	U	2.0
2043	Aldicarb Sulfoxide	2.0	U	2.0
2044	Aldicarb Sulfone	2.0	U	2.0
2046	Carbofuran	1.5	U	1.5
2047	Aldicarb	1.0	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-181

SAMPLE ID Well #1
DATE COLLECTED 02/06/90 15:15:00
TEST NAME OER 17-550 Unreg Pest 608s

SAMPLE# 01A
MATRIX WATER
TEST CODE 608U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2065	Heptachlor	0.05	U	0.05
2356	Aldrin	0.05	U	0.05
2364	Dieldrin	0.10	U	0.10
2959	Chlordane	0.50	U	0.50

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(1)
(PWS036)

Parameter ID	Name	Analysis Result		Det. Lt.
2366	PCB-1016	0.50	U	0.5
2930	PCB-1221	0.50	U	0.5
2932	PCB-1232	0.50	U	0.5
2934	PCB-1242	0.50	U	0.5
2936	PCB-1248	0.50	U	0.5
2938	PCB-1254	1.00	U	1.0
2940	PCB-1260	1.00	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-31

SAMPLE ID Well #1
DATE COLLECTED 02/05/90 15:15:00
TEST NAME DER 17-550 Unreg Pest 515

SAMPLE# 01A
MATRIX WATER
TEST CODE 515U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/08/90
DATE RUN 02/14/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-515.1
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2031	Dalapon	2.0 U	2
2040	Picloram	2.0 U	2
2041	Dinoseb	4.0 U	4
2440	Dicamba	4.0 U	4

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-131

SAMPLE ID Well #1
DATE COLLECTED 02/06/90 15:15:00
TEST NAME OER 17-550 Unreg Pest 502s

SAMPLE# 01A
MATRIX WATER
TEST CODE 502U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHH

DATE EXTRACTED 02/07/90
DATE RUN 02/08/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-502
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2037	Simazine	0.5	U	0.5
2045	Metolachlor	0.5	U	0.5
2050	Atrazine	0.5	U	0.5
2051	Alachlor (Lasso)	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-051

SAMPLE ID Well #1
DATE COLLECTED 02/06/90 15:15:00
TEST NAME UER 17-550 Unreg BNAs/Pest

SAMPLE# 01A
MATRIX WATER
TEST CODE 625U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED 2/6/90
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-625
UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
PWS03E)

Parameter ID	Name	Analysis Result		Det. Lt.
2062	Isophorone	10	U	10
2078	1,2,4-Trichlorobenzene	10	U	10
2042	Hexachlorocyclo pentadiene	10	U	10
2082	Dimethylphthalate	10	U	10
2070	2,4-Dinitrotoluene	10	U	10
2084	Diethylphthalate	10	U	10
2090	Di-n-butyl phthalate	50	U	10
2094	Butyl Benzyl Phthalate	50	U	10
2098	Bis(2-Ethylhexyl) phthalate	50	U	10
9089	Dioctylphthalate	10	U	10
2063	2,3,7,8-TCDD (Dioxin)	10	U	1000

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
PWS03E)

Parameter ID	Name	Analysis Result		Det. Lt.
2108	2-Chlorophenol	10	U	10
2112	2-Methyl-4,6-Dinitrophenol	50	U	50
2116	Phenol	10	U	10
2116	2,4,6-Trichlorophenol	10	U	10

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(5)
PWS03E)

Parameter ID	Name	Analysis Result		Det. Lt.
2326	Pentachlorophenol	50	U	50

ORLANDO LABORATORIES, INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-0151

SAMPLE ID Well #2
DATE COLLECTED 02/06/90 15:15:00
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 02/06/90
DATE RUN 02/12/90
DILUTION FACTOR 50
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
(PWS028)

Parameter ID	Name	Analysis Result	Det. Lt.
C346	Ethylene dibromide	1.0 U	1.00

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-081

SAMPLE ID Well #2
DATE COLLECTED 02/06/90 15:15:00
TEST NAME 17-550 "DBCP" Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE 5041

SAMPLE TYPE WATER
UNITS ug/L
ANALYST JAB

DATE EXTRACTED 02/06/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2931	1,2-dibromo-3-chloro propane	0.02	U	0.02

ORLANDO LABORATORIES,INC.
Received 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-31

SAMPLE ID Well #2
DATE COLLECTED 02/06/90 15:15:00
TEST NAME DER 17-550 Regulated VOA's

SAMPLE# 02A
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/9/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2969	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-031

SAMPLE ID Well #2
DATE COLLECTED 02/06/90 15:15:00
TEST NAME DER 17-550 Unregulated UOA

SAMPLE# 02A
MATRIX WATER
TEST CODE 5241U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/9/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2210	Chloromethane	0.5	U	0.5
2212	Dichlorodifluoromethane	0.5	U	0.5
2214	Bromomethane	0.5	U	0.5
2216	Chloroethane	0.5	U	0.5
2218	Trichlorofluoromethane	0.5	U	0.5
2224	trans-1,3-Dichloro propene	0.5	U	0.5
2228	cis-1,3-Dichloropropene	0.5	U	0.5
2251	Methyl tert-butyl-ether	0.5	U	0.5
2230	cis-1,2-Dichloroethene	0.5	U	0.5
2408	Dibromomethane	0.5	U	0.5
2410	1,1-Dichloropropene	0.5	U	0.5
2412	1,2-Dichloropropane	0.5	U	0.5
2414	1,2,3-Trichloropropane	0.5	U	0.5
2416	2,2-Dichloropropane	0.5	U	0.5
2041	Chloroform	1.5		0.5
2942	Bromoform	0.5	U	0.5
2943	Bromodichloromethane	1.2		0.5
2944	Dibromochloromethane	0.5	U	0.5
2962	para-Xylene	0.5	U	0.5
2964	Methylene Chloride	0.5	U	0.5
2965	o-Chlorotoluene	0.5	U	0.5
2966	p-Chlorotoluene	0.5	U	0.5
2967	meta-Dichlorobenzene	0.5	U	0.5
2968	Ortho-Dichlorobenzene	0.5	U	0.5
2979	1,1-Dichloroethane	0.5	U	0.5
2979	trans-1,2-Dichloroethene	0.5	U	0.5
2993	1,2-Dichloropropane	0.5	U	0.5
2985	1,1,2-Trichloroethane	0.5	U	0.5
2986	1,1,1,2-Tetrachloro ethane	0.5	U	0.5
2988	1,1,2,2-Tetrachloro ethane	0.5	U	0.5
2989	Chlorobenzene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-081
Continued From Above

SAMPLE ID: Well #2
DATE COLLECTED: 02/06/90 15:15:00
TEST NAME: OER 17-550 Unregulated VOA

SAMPLE# 02A
MATRIX: WATER
TEST CODE: 524U

2991	Toluene	0.5	U	0.5
2992	Ethylbenzene	0.5	U	0.5
2993	Bromobenzene	0.5	U	0.5
2995	meta-xylene	0.5	U	0.5
2996	Styrene	0.5	U	0.5
2997	ortho Xylene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-031

SAMPLE ID Well #2
DATE COLLECTED 02/06/90 15:15:00
TEST NAME DER 17-550 Unreg Pest PWSs

SAMPLE# 02A
MATRIX WATER
TEST CODE 5531

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED NA
DATE RUN 02/07/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-531
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lc.
2036	Oxamyl (Vydate)	2.0	U	2.0
2043	Aldicarb Sulfoxide	2.0	U	2.0
2044	Aldicarb Sulfone	2.0	U	2.0
2046	Carbofuran	1.5	U	1.5
2047	Aldicarb	1.0	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-131

SAMPLE ID Well #2
DATE COLLECTED 02/06/90 15:15:00
TEST NAME DER 17-550 Unreg Pest 406s

SAMPLE# 02A
MATRIX WATER
TEST CODE 6031U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-609
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2065	Heptachlor	0.05	U	0.05
2356	Aldrin	0.05	U	0.05
2364	Dieldrin	0.10	U	0.10
2959	Chlordane	0.50	U	0.50

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(1)
(PWS036)

Parameter ID	Name	Analysis Result		Det. Lt.
2268	PCB-1016	0.50	U	0.5
2930	PCB-1221	0.50	U	0.5
2932	PCB-1232	0.50	U	0.5
2934	PCB-1242	0.50	U	0.5
2936	PCB-1248	0.50	U	0.5
2938	PCB-1254	1.00	U	1.0
2400	PCB-1260	1.00	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-381

SAMPLE ID Well #2
DATE COLLECTED 02/06/90 15:15:00
TEST NAME OER 17-550 Unreg Pest 515

SAMPLE# 02A
MATRIX WATER
TEST CODE 515U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/08/90
DATE RUN 02/14/90
DILUTION FACTOR 2
% MOISTURE NA

METHOD EPA-515.1
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PN5035)

Parameter ID	Name	Analysis Result	Det. Lt.
2031	Dalapon	2.0 U	2
2040	Picloram	2.0 U	2
2041	Dinoseb	4.0 U	4
2440	Dicamba	4.0 U	1

ORLANDO LABORATORIES, INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-31

SAMPLE ID Well #5
DATE COLLECTED 02/06/90 15:15:00
TEST NAME DER 17-550 Unreg Pest GCs

SAMPLE# 003
MATRIX WATER
TEST CODE 622U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHW

DATE EXTRACTED 02/07/90
DATE RUN 02/08/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-CC
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PW5035)

Parameter ID	Name	Analysis Result		Det. Lt.
2037	Simazine	0.5	U	0.5
2045	Metolachlor	0.5	U	0.5
2050	Atrazine	0.5	U	0.5
2051	Alachlor (Lasso)	0.5	U	0.5

ORLANCO LABORATORIES,INC. | REPORT OF ANALYSIS | Work Order # 90-12-061
Received: 12/06/90 | Results by Sample

SAMPLE ID Well #2 | SAMPLE# 02A
DATE COLLECTED 12/05/90 15:15:00 | MATRIX WATER
TEST NAME GCMS 17-550 Unreg HNAs/Pest | TEST CODE 625U

SAMPLE TYPE WATER | DATE EXTRACTED 12/6/90
UNITS ug/l | DATE RUN 12/8/90
ANALYST EJP | DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-625
UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID	Name	Analysis Result		Det. Lt.
2262	Isophorone	10	U	10
2273	1,2,4-Trichlorobenzene	10	U	10
2042	Hexachlorocyclo pentadiene	10	U	10
2282	Dimethylphthalate	10	U	10
2270	2,4-Dinitrotoluene	10	U	10
2284	Diethylphthalate	10	U	10
2290	Di-n-butyl phthalate	10	U	10
2294	Butyl Benzyl Phthalate	10	U	10
2298	Bis(2-Ethylhexyl) phthalate	10	U	10
9089	Dioctylphthalate	10	U	10
2063	2,3,7,8-TCDD (Dioxin)	1000	U	1000

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

Parameter ID	Name	Analysis Result		Det. Lt.
2108	2-Chlorophenol	10	U	10
2112	2-Methyl-4,6-Dinitro phenol	50	U	50
2115	Phenol	10	U	10
2116	2,4,6-Trichlorophenol	10	U	10

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2326	Pentachlorophenol	50	U	50

ORLANDO LABORATORIES,INC.
Received: 12/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-181

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 04A
MATRIX METHOD BLANK
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 12/06/90
DATE RUN 12/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(C)(D)
(PWSOCS)

Parameter ID	Name	Analysis Result	Det. Lt.
2946	Ethylene dibromide	0.02 U	0.02

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-481

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME 17-550 "EDCP" Analysis

SAMPLE# 04A
MATRIX METHOD BLANK
TEST CODE 5041I

SAMPLE TYPE WATER
UNITS ug/L
ANALYST JAB

DATE EXTRACTED 02/05/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PW3034)

Parameter ID	Name	Analysis Result	Det. Lt.
2931	1,2-dibromo-3-chloro propane	0.02 U	0.02

ORLANDO LABORATORIES,INC.
Received: 10/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-OC-31

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Regulated VOA's

SAMPLE# 04A
MATRIX METHOD BLANK
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 10/9/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PW1020)

Parameter ID	Name	Analysis Result		Det. Lt.
2969	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES,INC. REPORT OF ANALYSIS Work Order # 90-02-181
Received: 02/06/90 Results by Sample

SAMPLE ID Method Blank SAMPLE# 04A
DATE COLLECTED not specified MATRIX METHOD BLANK
TEST NAME OER 17-550 Unregulated VOA TEST CODE 52411

SAMPLE TYPE WATER DATE EXTRACTED NA
UNITS UG/L DATE RUN 2/2/90
ANALYST EJP DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-624
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(FWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2210	Chloromethane	0.5	U	0.5
2212	Dichlorodifluoromethane	0.5	U	0.5
2214	Bromomethane	0.5	U	0.5
2216	Chloroethane	0.5	U	0.5
2218	Trichlorofluoromethane	0.5	U	0.5
2224	trans-1,3-Dichloro propene	0.5	U	0.5
2229	cis-1,3-Dichloropropene	0.5	U	0.5
2251	Methyl tert-butyl-ether	0.5	U	0.5
2380	cis-1,2-Dichloroethene	0.5	U	0.5
2409	Dibromomethane	0.5	U	0.5
2410	1,1-Dichloropropene	0.5	U	0.5
2412	1,3-Dichloropropane	0.5	U	0.5
2414	1,2,3-Trichloropropane	0.5	U	0.5
2416	2,2-Dichloropropane	0.5	U	0.5
2941	Chloroform	0.5	U	0.5
2942	Bromoform	0.5	U	0.5
2943	Bromodichloromethane	0.5	U	0.5
2944	Dibromochloromethane	0.5	U	0.5
2962	para-Xylene	0.5	U	0.5
2964	Methylene Chloride	0.5	U	0.5
2965	o-Chlorotoluene	0.5	U	0.5
2966	p-Chlorotoluene	0.5	U	0.5
2967	meta-Dichlorobenzene	0.5	U	0.5
2968	Ortho-Dichlorobenzene	0.5	U	0.5
2976	1,1-Dichloroethane	0.5	U	0.5
2979	trans-1,2-Dichloroethene	0.5	U	0.5
2983	1,2-Dichloropropane	0.5	U	0.5
2985	1,1,2-Trichloroethane	0.5	U	0.5
2986	1,1,1,2-Tetrachloro ethane	0.5	U	0.5
2988	1,1,2,2-Tetrachloro ethane	0.5	U	0.5
2989	Chlorobenzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-v61
Continued From Above

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME OER 17-550 Unregulated VOA

SAMPLE# 04A
MATRIX METHOD BLANK
TEST CODE 524U

2991	Toluene	0.5	U	0.5
2992	Ethylbenzene	0.5	U	0.5
2993	Bromobenzene	0.5	U	0.5
2995	meta-Xylene	0.5	U	0.5
2996	Styrene	0.5	U	0.5
2997	ortho Xylene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-081

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME GER 17-550 Unreg Pest 531s

SAMPLE# 04A
MATRIX METHOD BLANK
TEST CODE 531U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED NA
DATE RUN 02/07/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-531
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PW3035)

Parameter ID	Name	Analysis Result		Det. Lt.
2036	Oxamyl (Vydate)	2.0	U	2.0
2043	Aldicarb Sulfoxide	2.0	U	2.0
2044	Aldicarb Sulfone	2.0	U	2.0
2046	Carbofuran	1.5	U	1.5
2047	Aldicarb	1.0	U	1.0

ORLANDO LABORATORIES, INC.
Received: 12/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-12-181

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unreg. Test PWSs

SAMPLE# 144
MATRIX METHOD BLANK
TEST CODE 608U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2365	Heptachlor	0.05	U	0.05
2356	Aldrin	0.05	U	0.05
2364	Dieldrin	0.10	U	0.10
2959	Chlordane	0.50	U	0.50

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

Parameter ID	Name	Analysis Result		Det. Lt.
2383	PCB-1016	0.50	U	0.5
2390	PCB-1221	0.50	U	0.5
2382	PCB-1232	0.50	U	0.5
2394	PCB-1242	0.50	U	0.5
2395	PCB-1248	0.50	U	0.5
2398	PCB-1254	1.00	U	1.0
2400	PCB-1260	1.00	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-031

SAMPLE ID Method Blank
DATE COLLECTED Not Specified
TEST NAME GER 17-550 Unreg rest 515a

SAMPLE# 04A
MATRIX METHOD BLANK
TEST CODE 515U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/08/90
DATE RUN 02/14/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-515.1
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2031	Dalapon	1.0 U	1
2040	Picloram	1.0 U	1
2041	Dinoseb	2.0 U	2
2440	Dicamba	2.0 U	2

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-181

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DEP 17-550 Unregulated PCBs

SAMPLE# 04A
MATRIX METHOD BLANK
TEST CODE 6CPU

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHN

DATE EXTRACTED 02/07/90
DATE RUN 02/08/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-PCB
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2037	Simazine	0.5	U	0.5
2045	Metolachlor	0.5	U	0.5
2050	Atrazine	0.5	U	0.5
2051	Alachlor (Lasso)	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/06/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-021

SAMPLE ID: Method Blank
DATE COLLECTED: not specified
TEST NAME: DER 17-550 Unreg BNAs/Pest

SAMPLE#: 04A
MATRIX: METHOD BLANK
TEST CODE: 625U

SAMPLE TYPE: WATER
UNITS: ug/l
ANALYST: EJP

DATE EXTRACTED: 2/6/90
DATE RUN: 2/8/90
DILUTION FACTOR: 1
% MOISTURE: NA

METHOD EPA-625
UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PW5036)

Parameter ID	Name	Analysis Result		Det. Lt.
2262	Isophorone	10	U	10
2278	1,2,4-Trichlorobenzene	10	U	10
2042	Hexachlorocyclo pentadiene	10	U	10
2282	Dimethylphthalate	10	U	10
2270	2,4-Dinitrotoluene	10	U	10
2294	Diethylphthalate	10	U	10
2290	Di-n-butyl phthalate	10	U	10
2294	Butyl Benzyl Phthalate	10	U	10
2298	Bis(2-Ethylhexyl) phthalate	10	U	10
9089	Dioctylphthalate	10	U	10
2063	2,3,7,8-TCDD (Dioxin)	1000	U	1000

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.410(4)
(PW5037)

Parameter ID	Name	Analysis Result		Det. Lt.
2108	2-Chlorophenol	10	U	10
2112	2-Methyl-4,6-Dinitro-phenol	50	U	50
2115	Phenol	10	U	10
2119	2,4,6-Trichlorophenol	10	U	10

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PW5035)

Parameter ID	Name	Analysis Result		Det. Lt.
2106	Pentachlorophenol	50	U	50

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-08-1990

LAB SAMPLE # : 9002080-02A
ANALYSIS DATE : 02/07/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ALDICARB	100	6	109	109	103	103	6

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ALDICARB	77	127	20	72	132	20

ORLANDO LABORATORIES INC.

GC/MS SEMI-VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-10-1990

LAB SAMPLE # : 9002056-1
ANALYSIS DATE : 2/9/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
phenol	200	0	118	59	129	65	9
2-chlorophenol	200	0	159	80	157	79	1
4-chloro-3-methylphenol	200	0	195	98 *	210	105 *	7
4-nitrophenol	200	0	145	73	180	90	22
pentachlorophenol	200	0	191	96	197	99	3
1,4-dichlorobenzene	100	0	79	79	77	77	3
n-nitroso-di-n-propylamine	100	0	65	65	67	67	3
1,2,4-trichlorobenzene	100	0	82	82	77	77	6
acenaphthene	100	0	119	119 *	117	117	2
2,4-dinitrotoluene	100	0	125	125 *	133	133 *	6
pyrene	100	0	126	126	63	63	67 *

COMMENTS : * = parameter outside QC limits.

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/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-10-1990

LAB SAMPLE # : 9002082-10
ANALYSIS DATE : 2/9/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
1,1-dichloroethene	50	0	43	86	47	94	9
trichloroethene	50	0	40	80	45	90	12
benzene	50	0	42	84	49	98	15 *
toluene	50	0	48	96	52	104	8
chlorobenzene	50	0	42	84	48	96	13

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

End of Report

ORLANDO LABORATORIES. INC.

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-12-1990

LAB SAMPLE # : 9002056-03A
ANALYSIS DATE : 02/08/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
diazinon	100	0	76	76	76	76	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
diazinon	47	147	18	30	174	26

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-13-1990

LAB SAMPLE # : 9002084-01A
ANALYSIS DATE : 02/12/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	59	59	59	59	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	36	92	20	45	99	21

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-14-1990

LAB SAMPLE # : 9002066-01
ANALYSIS DATE : 02/14/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD RECOVERY	RPD
DALAPON	166	0	116	116	117	117	6
PICLORAM	166	0	154	154	156	156	1

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
DALAPON	55	115	20	55	115	20
PICLORAM	35	135	20	75	125	20

End of Report

HRS

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

RECEIVED
DEC 04 1991

FOR LAB USE ONLY

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: APPLE VALLEY (Sanlando) SYSTEM I.D. NO: 3590039 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): 109 1/2 W. Hillcrest / ALT. SRC'S

DATE AND TIME COLLECTED: 10:00 A.M. 12/3/91

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 (Check Box) Repeat Replacement (Check Box) Main clearance Well survey Other _____ (Specify)
[X] Distribution
[X] Raw
[ ] TNTC or C
[ ] Turbid
[ ]

REMARKS:

JWJ 12/12/91 will Resubmit.

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	WELL # 1 Raw At Plt.	0.0	6.9	[illegible]	Lab accident			
2	WELL # 2 Raw At Plt.	0.0	6.8	[illegible]				
3	Pressure Tank At Plt.	1.8	7.2	[illegible]				
4	110 W. Hillcrest Dist.	0.9	—	[illegible]	Please			
5	120 Candlewick Dr. Dist	0.8	—	[illegible]		Accident		
6	10 OLD GROVE Ln. R.T.	0.5	—	[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

HRS Form 668, Jan 88 (Obsolete previous editions which may not be used) (Stock Number: 6740-000-0681-8)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. SERVICES
1000 Color Place
APOPKA, FL. 32703

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

REVIEWING OFFICIAL: [signature]

TITLE: DER

HRS

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: ~~APPLE VALLEY #590039~~ (35900 SYSTEM NO: ~~(3590039)~~ SYSTEM PHONE #: ~~880-0058~~

ADDRESS: ~~c/o 1000 Color Pl. Apopka,~~ COUNTY: ~~SEMINOLE~~ DER DISTRICT: ~~Central~~

COLLECTOR: ~~JIM JOHNSON~~ COLLECTOR PHONE #: ~~880-0058~~

SAMPLE SITE (Locality or Subdivision): 109 1/2 W. Hillcrest / ALT. SPRGS

DATE AND TIME COLLECTED: 10:00 A.M. 12/16/1991

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

TYPE OF SAMPLE(Circle one): Compliance (Check Box) [X] Distribution [X] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid Main clearance Well survey Other _____ (Specify)

REMARKS: Replacement Samples LAB Accident

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	WELL # 1 Raw At Plt.	0.0	6.9	[illegible]	-	A		
2	WELL # 2 Raw At Plt.	0.0	6.8	[illegible]	-	A		
3	Pressure Tank At Plt.	1.6	7.2	[illegible]		A		
4	110 W. Hillcrest Dist	0.8	—	[illegible]	-	A		
5	120 Candlewick Dist.	0.6	—	[illegible]		A		
6	10 OLD GROVE LN. Dist.	0.5	—	[illegible]		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

HRS Form 668, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 5740-805-0668-5)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

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

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

REVIEWING OFFICIAL: [signature]

TITLE: DOH

Bay Lake Estates - 784

Osceola County (SSU)

Water

- 1992 FPSC Filing -

Bay Lake

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	11/89
Secondary Contaminants	3/91
Unregulated Contaminants	3/91

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar26 1991
PO Number: 391046

PO Number
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Tropical Pk./Bay .../UK.Ajay
Date Received: Mar 4 1991

Lab Number : 16409

REPORT OF ANALYSIS

Parameter	Units	Method Detection Limit	%ACC	%PRC	16409
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	9.99	<0.001
1,1,1-trichloroethan	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	.083	<0.001
Tetrachloroethene	mg/L	0.001	113	.592	<0.001
Benzene	mg/L	0.001	99.2	.116	<0.001
Chloromethane	mg/L	0.001	109	.669	<0.001
Dichlorodifluorometh	mg/L	0.001	104	2.13	<0.001
Bromomethane	mg/L	0.001	109	.669	<0.001
Chloroethane	mg/L	0.001	107	2.56	<0.001
Trichlorofluorometha	mg/L	0.001	104	2.13	<0.001
trans-1,2-dichloroe	mg/L	0.001	115	9.22	<0.001
cis-1,2-dichloroethen	mg/L	0.001	113	11.0	<0.001
Methylene chloride	mg/L	0.001	106	.005	<0.001
cis-1,2-dichloroethe	mg/L	0.001	113	11.0	<0.001
Bromoform	mg/L	0.001	109	.669	<0.001
1,1-dichloropropene	mg/L	0.001	109	4.17	<0.001
1,2-dichloropropane	mg/L	0.001	115	9.22	<0.001
1,2,3-trichloropro	mg/L	0.001	111	.846	<0.001
2,2-dichloropropane	mg/L	0.001	107	2.56	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	111	.868	<0.001
Chloroform	mg/L	0.001	102	3.04	<0.001

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.

[signature]
[illegible], Director

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

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar26 1991
PO Number: B91046

PO Number
FDHRS Lab# : 83139
FDER 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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16409
Bromoform	mg/L	0.001	117	7.51	<0.001
Bromodichloromethane	mg/L	0.001	120	.984	<0.001
Dibromochloromethane	mg/L	0.001	115	1.16	<0.001
p-xylene	mg/L	0.001	104	3.33	<0.001
Methylene chloride	mg/L	0.001	109	.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	.252	<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	3.52	<0.001
1,1,2,2-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	.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
o-xylene	mg/L	0.001	104	3.33	<0.001
Dalapon	mg/L	0.000001	94.8	1.37	<0.000001
Oxamyl (Vydate)	mg/L	0.002	101	16.5	<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 S. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
(407) 339-5984
Fax (407) 260-6110

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar26 1991
PO Number: 891046
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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16409
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	6.71	<0.002
Atrazine	mg/L	0.002	101	1.01	<0.002
Alachlor (Lasso)	mg/L	0.0002	99.5	8.53	<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
Chlordane	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	3.61	<0.00001
Isophorone	mg/L	0.001	99.8	19.0	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.0	.957	<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)pht	mg/L	0.001	101	4.32	<0.001
1,2,4-trichlorobenze	mg/L	0.001	97.4	18.1	<0.001
PCB_1016	mg/L	0.0001	97.7	2.75	<0.0001
PCB_1221	mg/L	0.0001	99.8	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.

[signature]
Technical Director

Page 1 of 1

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FLORIDA 32715-0597
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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar26 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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16409
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	.559	<0.0001
Dioctylphthalate	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-dinitop	mg/L	0.001	89	8.69	<0.001
Phenol	mg/L	0.001	105	4.60	<0.001
2,4,6-trichlorophenc	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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 950597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-0118

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name Bay Lake
Public Water System Type (check one):
( )Commun ( )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 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

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	Dichlorodifluoromethan	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,-dichloroprop	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-chloropr	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		<0.001	EPA502.2	0.001	3/17/91
2986	1,1,1,2-tetrachloroet	16409		<0.001	EPA502.2	0.001	3/17/91
2988	1,1,2,2-tetrachloroetha	16409		<0.001	EPA502.2	0.001	3/17/91
2989	Chlorobenzene	16409		<0.001	EPA502.2	0.001	3/17/91
2991	Toluene	16409		<0.001	EPA502.2	0.001	3/17/91
2992	Ethylbenzene	16409		<0.001	EPA502.2	0.001	3/17/91
2993	Bromobenzene	16409		<0.001	EPA502.2	0.001	3/17/91
2995	m-xylene	16409		<0.001	EPA502.2	0.001	3/17/91
2996	Styrene	16409		<0.001	EPA502.2	0.001	3/17/91
2997	o-xylene	16409		<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	16409		<.000001	EPA515	.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		<.000005	EPA508	.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)
(PWS036)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L	Analytical Method	Det.Limit Used	Analysis Date
2042	Hexachlorocyclopentadie	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	EPA606	0.001	3/22/91
2378	1,2,4-trichlorobenzen	16409	<0.001	EPA612	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	Dioctylphthalate	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-dinitophe	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 INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

Sam Spaska

CLIENT	ADDRESS	PHONE
SSU	7000 Colon Place Apopka, FL 32703	880-0058 X 16

PROJECT NAME: B91046	REQUIRED: ☐ Urgent ☐ Routine	DATE

Sample Containers QTY	Preservative: HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	Plastic Containers: 60mL	125mL	250mL	500mL	1L	2L	Whirl-Pak Bag	Glass Containers: 40mL Vial	250mL	500mL	1L	2L	4L	
2														X						
1																			X	

NOTES: 4 wells

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

Parameters: PVOC Unreg.

Laboratory Number	Client Identification/Description
# 781	Tropical Park
# 784 16409	Bally Lake
# 773	7K's Hwy

		Date	Time
Sample Collection:	Bill Tindel	3/3/91	10.30
Transportation:	Bill Tindel	3/4/91	
Lab Acceptance:		3/4/91	1:40

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) 339-5984

SSU
SERVICES

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
Bay Lake Water Systems
ID #3490090

Dear Ms. Carrasquillo,

Please find enclosed for your records, second quarter Volatile Organic analysis for the Bay Lake treatment plant, well #1.

These results are combined analysis with three (2) 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

Serving the customers of the Citrus Springs, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seabo
Southern States, Spring [illegible] and Venice Gardens Utilities

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
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received: Jun 6 1991 Lab Number : 17111

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17111
Ethylene dibromide	mg/L	0.000005	95.4	3.91	<0.000005
Para-dichlorobenzene	mg/L	0.001	104	.587	<0.001
Vinyl chloride	mg/L	0.001	113	7.56	<0.001
1,1-dichloroethene	mg/L	0.001	112	7.56	<0.001
1,2-dichloroethane	mg/L	0.001	107	1.39	<0.001
1,1,1-trichloroethan	mg/L	0.001	110	.681	<0.001
Carbon tetrachloride	mg/L	0.001	110	1.06	<0.001
Trichloroethene	mg/L	0.001	111	.709	<0.001
Tetrachloroethene	mg/L	0.001	107	.740	<0.001
Benzene	mg/L	0.001	105	.268	<0.001

Data Release Authorization

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

Andrew Harrison
Laboratory Manager

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	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 REPOR 'ING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3490340
Public Water System Name Bay Lake Estates
Public Water System Type (check one):
( )Commun ( )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_X_; 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 (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 **Andrew B. Harrison**

Title **Laboratory Manager**

Laboratory **Flowers Chemical Laboratories,Inc.**

Date 6/10/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

[redacted]

FDER Lab# E85010
FDHRS Lab# 85130
NCDEHNR Lab# 358
SCDHEC Lab# 96018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

Attn Sam Sparks

(1)Client	(2)Address	(3)Phone
SSL	1000 Cobia Place Apopka Fl 32703	880-1068

(4)Public Drinking Water ID #
(5)Project #
(7)PO# Bowls
(5)Public Water System Name:
(6)Public Water System Type
( ) Community ( ) Non-Community ( ) Special Non-Community

		Preservative			Plastic Containers						Glass Containers						NOTES:
		HNO3	ZnOAC/NaOH		60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L	
1	12										X						Tropical Park #1 / well
																	Tropical Park #2 / well
																	Bay Lake Estates / well
																	Lake Ajay / well
																	(4 wells) PLZ Comp

(10)Relinquished: (10)Date (10)Time (11)Received (11)Date (11)Time

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

) 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)

(13)Parameter Group(s) Analyzed: Turbidity__; Inorganic__; Nitrate/nitrite__; Volatile Organic X;
Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Purgeable__;
Unregulated Organic Pesticide__; Unregulated Base Neutral Extractable__; Unregulated Acid Extractable__;

(14)Laboratory Number	(15)Client Sample Identification	Date	Time
	#1 Bay Lake 6/3	745	
	#2 Bay Lake 6/4	400	
	#3 Bay Lake 6/5	1230	
17111	#4 LK Ajay 6/3	900	
	#5 LK Ajay 6/4	400	
	#6 LK Ajay 6/5	130	
	#7 Trop Pk #1		
	#8 Trop Pk #2		
	#9		
	#10		

(6)Collectors Signature: Willie Lundy 6/2-6-5
(7)Transporters Signature: Willie Lundy 6/6
(9)Lab Acceptance By: Lucia L 0467 6-6-91 10:10 AM

SSU
SERVICES

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

October 3, 1991

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

Re: Drinking Water Compliance Analysis
Bay Lake Water System
ID #3490090

Dear Ms. Carrasquillo,

Please find enclosed for your records, third quarter Volatile Organic analysis for the Bay Lake 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

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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17838
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-trichloroethan	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
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
blic Water System I.D. Number: 3490090
blic Water System Name Bay Lake Estates
Public Water System Type (check one):
(/)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi 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 17835
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 9/23/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () 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:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

B 9/10/91

FDER Lab# E83018
FDHRS Lab# 87139
NCDEHNR Lab# 284
SCDHEC Lab# 99019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

ATTN: Sam Sparks

(1)Client: SSU
(2)Address: 1000 Cold Place, Apopka, FL 32703
(3)Phone: 880-0058
(4)Public Drinking Water ID #:
(5)Public Water System Name:
(6)Project #:
(7)PO#:
(8)Public Water System Type: (X) Community ( ) Non-Community ( ) Special Non-Community

		Preservative			Plastic Containers						Glass Containers					
		HNO3	ZnOAC+NaOH		60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L
(16)	15										X					

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

Bay Dr. Estates - 1 well #3490090
Tropical Pk - 2 wells #3491958
Lk. Ajay - 1 well #3491956

(17)Kit Relinquished: K. Schock
(17)Date: 9-12-91
(17)Time: 11am
(9)Kit Received:
(9)Date:
(9)Time:

(10)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__

(18)Laboratory Number	(11)Client Sample Identification
17838	#1
	#2
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

		Date	Time
(13)Collectors Signature:	Bill Arnold	9/10	11am
(14)Transporters Signature:	Bill Arnold	9/11	3:25
(15)Lab Acceptance By:	M. M Coy	9/11	3.32

Over for numbered instructions.

SSU SERVICES

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
Bay Lake Estates / PWS ID # 3490090

Dear Ms. Carrisquillo:

Please find enclosed for your records, fourth quarter Volatile Organic analysis for the Bay Lake Estates 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

Bon Sale

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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18476
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-trichloroethan	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

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

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3460020
Public Water System Name Gen. Lake Estates
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 18476
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 12/18/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Official:

_____

PWSA.01 Sample Interpretation (check one)
Effective 08.01.91 () 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:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

FDER Lab# E83018
FDHRS Lab# 85139
NCDEHNR Lab# 256
SCDHEC Lab# 96015

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

ATTN: BILL

(1) Client	(2) Address	(3) Phone
SSU	1000 Colorplace, Apopka	407-2430

(4) Public Drinking Water ID # | (5) Public Water System Name:

(6) Project # | (8) Public Water System Type: (X) Community ( ) Non-Community ( ) Special Non-Community

(7) PO# OSCEOLA CTY.

	Preservative		Plastic Containers						Glass Containers						NOTES:
	HNO3	ZnOAC/NaOH	60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L	(12) Turn Around Time: 10 Working Days: 5 Working Days : 3 Working Days : 1 Working Day : Other (WND SOUR - 1 well) #3494291
(16) 20									X						TROPICAL PK - (2 wells) ID #3491958 BAY LAKE - (1 well) ID #3490090 LAKE ASAY - (1 well) ID# 3491956 INTERSESSION CITY - (2 wells) ID # 3490073 PINE RIDGE - (2 wells) ID# 3494292

(17) Kit Relinquished: | (17) Date 12-5-91 | (17) Time 11:30 | (9) Kit Received | (9) Date | (9) Time

(10) Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic X; 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
	#1	Wilmsong (1 well)
18476	#2	Tropical Park (2 wells)
	#3	Bay Lk (1 well) } Comp.
	#4	Lk Asay (1 well)
	#5	
	#6	
18477	#7	Intersession City (2 wells)
	#8	Pineridge (2 wells) } Comp
	#9	
	#10	

		Date	Time
(13) Collectors Signature:	Bill Lemmit	12/11	3:00
(14) Transporters Signature:			
(15) Lab Acceptance By:		12/11/91	3:27

Over for numbered instructions.

S S U
SERVICES

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

October 18, 1991

Ms. Marie Carrasquillo
State of Florida
Department of Environmental Regulation
3319 Maguire Blvd.
Ste. 232
Orlando, Fl 32803-3767

Re: Drinking Water Compliance Analysis Bay Lake Estates
P.W.S. I.D. # 3490090

Dear Ms. Carrasquillo,

Please find enclosed for your records primary organics and inorganics, secondary contaminants and turbidity for the Bay Lake Estates Treatment Plant.

Your continued cooperation and assistance as always is appreciated.

Sincerely,

Sam Sparks
Area Supervisor

SS/mmm

cc: Charles Sweat
Frank Sanderson
Mel Fisher
Osceola County Health Dept. (w/attachments)
File (w/attachments)

Serving the customers of the Citrus Springs, Deltona, Marco Island, Meadow Woods, Pine Ridge, St. Augustine Shores, Seacoast 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: Oct 1 1991
PO Number: HOLD REPOR

PO Number Bay Lk.Est.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received: Sep19 1991 Lab Number : 17837

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17837
Turbidity	NTU	0.05	92.5	.000	0.44
Arsenic	mg/L	0.0005	90.7	.000	<0.0005
Barium	mg/L	0.01	115	1.37	0.02
Cadmium	mg/L	0.001	105	1.17	<0.001
Chromium	mg/L	0.005	109	.280	<0.005
Fluoride	mg/L	0.05	103	.034	0.188
Lead	mg/L	0.001	101	.433	<0.001
Mercury	mg/L	0.0002	90.0	.734	0.000933
Nitrate(as N)	mg/L	0.01	156	9.13	0.0854
Selenium	mg/L	0.0005	105	8.42	<0.0005
Silver	mg/L	0.005	94.6	.564	<0.005
Sodium	mg/L	0.002	110	1.79	14.4
Endrin	mg/L	0.000001	95.7	9.31	<0.000001
Lindane	mg/L	0.000001	101	1.39	<0.000001
Methoxychlor	mg/L	0.00001	108	7.86	<0.00001
Toxaphene	mg/L	0.0001	99.0	2.29	<0.0001
2,4-D	mg/L	0.00005	97.5	6.53	<0.00005
2,4,5-TP(Silvex)	mg/L	0.00002	101	4.22	<0.00002
Calcium	mg/L	0.1	99.5	.000	58.5
Chloride	mg/L	0.015			58.9
Carbonate CaCO3	mg/L	0.1	99.5		172.7
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	94.7	.092	0.035
Bicarbonate CaCO3	mg/L	0.1			180.7
Bicarbonate HCO3	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

0179

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

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Oct 1 1991
PO Number: HOLD REPORT
PO Number Bay Lk.Est.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received: Sep18 1991 Lab Number : 17837

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17837
Iron	mg/L	0.01	102	1.47	0.25
Magnesium	mg/L	0.01	100	.469	6.5
Manganese	mg/L	0.005	96.2	.613	0.083
Sulfate	mg/L	0.2	87.2	.767	3
Zinc	mg/L	0.001	106	1.14	0.013
Carbon_Dioxide	mg/L	0.1			8.6
Color (color units)	mg/L	5	-	.000	10
Total_Hardness	mg/L	0.1			172.7
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	1.67	7.62
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	97.5	1.70	181
TDS	mg/L	2.5	92.5	8.52	256
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier_Index	LX	0.01			0.32
Saturation_Index	pHs	0.01			7.3
Stability_Index	pH	0.01			6.98
Foaming_Agents	mg/L	0.1	100	-	<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.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers Ph.D.
481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
PHONE 407 339-5984

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name BAY LAKE
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_X_;Inorganic_X_; Trihalomethane ___;
Volatile Organic___; Organic Chemical_X_; 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):
Laboratory Sample Number 17837
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 9/27/91
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 9/30/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	17837	1	.440	EPA180.1	0.05	9/30/91

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	17837	0.05	<0.0005	EPA206.3	0.0005	9/24/91
1010	Barium	17837	1	.0200	EPA208.1	0.01	9/25/91
1015	Cadmium	17837	0.01	<0.001	EPA213.1	0.001	9/25/91
1020	Chromium	17837	0.05	<0.005	EPA218.1	0.005	9/27/91
1025	Fluoride	17837	4	.188	EPA340.1	0.05	9/26/91
1030	Lead	17837	0.05	<0.001	EPA239.2	0.001	9/23/91
1035	Mercury	17837	0.002	.000933	EPA245.1	0.0002	9/26/91
1040	Nitrate(as N)	17837	10	.0854	EPA353.1	0.01	09-19-91
1045	Selenium	17837	0.01	<0.0005	EPA270.3	0.0005	9/20/91
1050	Silver	17837	0.05	<0.005	EPA272.1	0.005	9/27/91
1052	Sodium	17837	160	14.4	EPA273.1	0.002	9/20/91

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	17837	2E-04	<.000001	EPA508	.000001	9/27/91
2010	Lindane	17837	0.004	<.000001	EPA508	.000001	9/27/91
2015	Methoxychlor	17837	0.1	<0.00001	EPA508	0.00001	9/27/91
2020	Toxaphene	17837	0.005	<0.0001	EPA508	0.0001	9/27/91
2105	2,4-D	17837	0.1	<0.00005	EPA515	0.00005	9/27/91
2110	2,4,5-TP(Silvex)	17837	0.01	<0.00002	EPA515	0.00002	9/27/91

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	Calcium	17837		58.5	EPA215.1	0.1	9/19/91
1017	Chloride	17837	250	58.9	EPA300.0	0.015	09-20-91
1019	Carbonate CaCO3	17837		172.7	SM314A	0.1	9/19/91
1021	Hydroxide CaCO3	17837		0.0	SM406C	0.1	9/19/91
1022	Copper	17837	1	.0350	EPA220.1	0.005	9/19/91
1023	Bicarbonate CaCO3	17837		180.7	SM406C	0.1	9/19/91
1026	Bicarbonate HCO3	17837		0.7	SM406C	0.1	9/19/91

1027	Hydrogen Sulfide	17837			EPA376.1	0.5	
1028	Iron	17837	0.3	.250	EPA236.1	0.01	9/19/91
1031	Magnesium	17837		6.50	EPA242.1	0.01	9/19/91
1032	Manganese	17837	0.05	.0830	EPA243.1	0.005	9/19/91
1055	Sulfate	17837	250	3.00	EPA300.0	0.200	9/25/91
1095	Zinc	17837	5	.0130	EPA289.1	0.001	9/19/91
1901	Carbon Dioxide	17837		8.6	SM406C	0.1	9/19/91
1905	Color (color units)	17837	15	10.0	EPA110.1	5	9/27/91
1915	Total Hardness	17837		172.7	SM314A	0.1	9/19/91
1917	NCH as CaCO3	17837		<0.1	SM314A	0.1	9/19/91
1920	Odor (total odor number)	17837	3	<1	EPA140.1	1	9/27/91
1924	Field pH (units)	17837	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	17837	6.5-8.5	7.62	EPA150.1	0.01	9/27/91
1926	Field Conductivity	17837			-	0.1	
1927	Total Alkalinity	17837		181	EPA310.1	0.1	9/27/91
1930	TDS	17837	500	256	EPA160.1	2.5	9/20/91
1931	Phenolphthalein Alk.	17837			EPA310.1	0.1	
1996	Field Temp. (C)	17837		25	-		9/19/91
1997	Langelier Index	17837	-0.2:+0	0.32	SM203	0.01	9/19/91
1998	Saturation Index	17837		7.30	SM203	0.01	9/19/91
1999	Stability Index	17837		6.98	SM203	0.01	9/19/91
2909	Foaming Agents	17837	0.5	<0.1	EPA425.1	0.1	9/30/91
9996	Field DO	17837			-	0.1	
9997	Field Chlorine	17837			-	0.1	

Comments:

FLOWER

CHEMICAL LABORATORIES INCORPORATED

FDER Lab# E83018
FDHRS Lab# 82139
NCDEHNR Lab# 256
SCDHEC Lab# 99019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

ATTN: Sam Spaeks

(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: Bay Lk. Est.
(6)Project #:
(7)PO#:
(8)Public Water System Type: (X) Community ( ) Non-Community ( ) Special Non-Community

	Preservative			Plastic Containers						Glass Containers						NOTES:
	HNO3	ZnAC/NaOH	Ascorbic Acid	60ml	125ml	250ml	500ml	1L	Whirl Pac Bag	40ml	250ml	500ml	1L	2L	4L	(12)Turn Around Time:
(16)										X						10 Working Days:
1	X						X							X		5 Working Days :
1		X											X			3 Working Days :
1								X								1 Working Day :
																Other :

Bay Lk. Est. - #3490090
Prim. Org / Inorg. & Sec.

(17)Kit Relinquished: C Johnson
(17)Date: 9/12/91
(17)Time: noon
(9)Kit Received:
(9)Date:
(9)Time:

(10)Parameter Group(s) Analysed: Turbidity__; Inorganic X; Trihalomethane__; Volitile Organic X; Organic Chemical X; Secondary Chemical X; Radiological__; Unregulated Organic Purgeable__; Unregulated Organic Pesticide__; Unregulated Base Neutral Extractable__; Unregulated Acid Extractable__

(18)Laboratory Number: 17837

(11)Client Sample Identification
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10

		Date	Time
(13)Collectors Signature:	Bill Lundi	9/12	
(14)Transporters Signature:	Bill Lundi	9/12	3:25
(15)Lab Acceptance By:	M. McCoy	9/12	3:31

Over for numbered instructions.

SSU
SERVICES

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

January 2, 1992

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

Re: Manganese Resamples / Bay Lake Estates
Osceola County / PWS ID # 3490090

Dear Ms. Carrisquillo:

Please find enclosed for your records three resample analyses for Manganese for the Bay Lake Estates water system.

Your cooperation and assistance is very much appreciated.

Sincerely,

Sam Sparks,
Area Supervisor

\csd

cc: Jim Ragsdale
Frank Sanderson
Mel Fisher
Jim Murray
Osceola County Health Department 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, FL 32703

Attn: Sam Sparks

Work Order # : 91-12-215
Date Received: 12/13/91
Date Reported: 12/19/91
OLI Contact: J_BEATO

Work ID: Bay Lake Est.
Samples collected by: Client
Total Samples: 3

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 1	MN_ICP Manganese
02 2	
03 3	

OLI Florida Department of Health & Rehabilitative Service Identification Numbers are: Drinking Water Certification Number 83141, Environmental Certification Number E83032

Respectfully Submitted.
ORLANDO LABORATORIES, INC.

for John Hobbs
LABORATORY DIRECTOR

Eric Malarek
QUALITY CONTROL

The Analytical Specialists

ORLANDO LABORATORIES,INC.
Received: 12/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-12-215

SAMPLE ID 1	SAMPLE # 01A
DATE COLLECTED 12/11/91 07:45:00	MATRIX WATER
MN_ICP [illegible].030 ug/l	

SAMPLE ID 2	SAMPLE # 02A
DATE COLLECTED 12/12/91 07:45:00	MATRIX WATER
MN_ICP [illegible].030 ug/l	

SAMPLE ID 3	SAMPLE # 03A
DATE COLLECTED 12/13/91 07:45:00	MATRIX WATER
MN_ICP [illegible].030 ug/l	

Southern States Utilities
Attn: Sam Sparks

Report No: 91-12-215
Page No: 3

QUALITY CONTROL DATA SHEET

SAMPLE #	PARAMETER	DUPLICATES %(RPD)	SPIKES % RECOVERY	ANALYSIS DATE	ANALYST
9112188-11	Manganese	1	100	12/15/91	TB

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System ID Number: 3490090
Public Water System Name: Bay Lake Est.
Public Water System Type (check one):
(X) Community ( ) Non-community ( ) Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: 83141
Parameter Group(s) Analyzed: Manganese

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

SAMPLE INFORMATION
Sample Date (MMDDYY): 12/11/91 (1) 12/12/91 (2) 12/13/91 (3)
Laboratory Sample Number: 91-12-215
Sample Location: Entry to distribution
Sample Type (check all applicable):
( ) Check (X) Regular Distribution ( ) Composite
( ) Clearance ( ) Maximum Residence ( ) Plant Tap
( ) Raw ( ) Well (X) Re-sample
( ) Special
Sampler Name, Title, Phone: Bill Trendel & John Coffee
Operator
(407) 880-0058

ANALYSIS INFORMATION
Extraction Date (MMDDYY): NA
Laboratory Contact: Eric Halarek
Re-sample Requested? (check one): ( ) Yes ( ) No
ANALYSIS 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 Halarek
Name Eric Halarek
Title Quality Control Officer
Laboratory Orlando Laboratories, Inc.
Date 12/24/91

Mail Results to the Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official

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

0190

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 ____ of ____

1 INVOICE TO (COMPANY AND INDIVIDUAL) / ADDRESS (CITY STATE ZIP)	SSU Services 1000 Colonnade Apopka, Fl 32703
2 CONTACT PERSON PHONE # INVOICE #	880-0058 Sam Smacks
3 OLI WORK ORDER # (LAB USE)	9112215
4 ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) / ADDRESS (CITY STATE ZIP)	
5 CONTACT PERSON PHONE # REPORT	
6 RB NUMBER (LAB USE)	5955
7 (OPTIONAL) ADDITIONAL REPORTS SENT TO / ADDRESS (CITY STATE ZIP)	
8 CLIENT PROJECT NAME	Bay Lk. Est.
9 CLIENT PROJECT #	

10 SAMPLE IDENTIFICATION	11 DATE/TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	17 NUMBER OF CONTAINERS	18 REQUESTED ANALYSIS: Manganese	19 REMARKS
(1) 12/11	7:45			✓					✓	
(2) 12/12	7:45			✓					✓	
(3) 12/13	7.45			✓					✓	

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY
1st	[signature]	12/10 1135	
2nd	[signature]	12/12 4:00	[signature]
3rd	[signature]	12/13 4:05	Ruth Hemrick

20 ADDITIONAL REMARKS

21 COOLER #'s

22 SAMPLER'S SIGNATURE: [signature]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

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 # : 89-11-055
Date Received: 11/03/89
Date Reported: 11/09/89
OLI Contact: E_HOBBS

Work ID: Lake Ajay/Bay Lake
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Lake Ajay	G_A Gross Alpha (water)
02 Bay Lake	

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: 11/03/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-11-055

SAMPLE ID Lake Ajay
DATE COLLECTED 11/03/89 13:00:00
TEST NAME Gross Alpha (water)

SAMPLE# 01A
MATRIX WATER
TEST CODE G_A

Code	Element	RESULT	DET_LIMIT
G_A	Gross Alpha	<0.5	0.5
Ctn_Err	Counting Error	2.0	0.4

UNITS pCi/l

ANALYST JAB

ORLANDO LABORATORIES,INC.
Received: 11/03/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-11-055

SAMPLE ID Bay Lake
DATE COLLECTED 11/03/89 13:30:00
TEST NAME Gross Alpha (water)

SAMPLE# 02A
MATRIX WATER
TEST CODE G_A

Code	Element	RESULT	DET_LIMIT
G_A	Gross Alpha	1.7	0.5
Ctn_Err	Counting Error	4.1	0.4

UNITS pCi/l

ANALYST JAB

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Gross Alpha	0.4	107	11/08/89	JAB

End of Report

HRS

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

I.D. NO. 32603
RECEIVED ORL
DEC 9 3 36 PM '91
BY: S. KAZANIS

12/10

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Bay LK SYSTEM I.D. NO: 3490690 SYSTEM PHONE #: None

ADDRESS: C/O 1000 Colorpince COUNTY: Osceola DER DISTRICT: 03

COLLECTOR: Bill T. COLLECTOR PHONE #: None

SAMPLE SITE (Locality or Subdivision): Bay LK

DATE AND TIME COLLECTED: 12/9 8:15

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 [ ] TNTC or
Raw [ ] Turbid
[ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: MF MTF			MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	Well	—	7.0	052443		A		
2	7410 Flamingo	0.2	7.0	052444		A		
3	6700 Bayshore	1.0	7.0	052445		A		
	1							

* 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

[ ] Services
[illegible] Colorpince
Apopka, Fl. 32703

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

REVIEWING OFFICIAL JR

TITLE: DER

HRS Form 668, Jan 81 (Obsolete previous editions which may not be used) (Stock Number: 1740-000-0668-8)

Beacon Hills - 886

Duval County (SSU)

Water

- 1992 FPSC Filing -

Beacon Hills / Cobblestone

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	Beacon Hills	Cobblestone
	Date Taken	Date Taken
Inorganic	9/90	9/90
Organic	7/91	2/90
Volatile Organic Chemicals	2/90	2/90
	7/90	7/90
	10/90	10/90
	2/91	2/91
Turbidity	11/90	11/90
Microbiological	12/91	12/91
Radionuclide	5/88	10/90
Secondary Contaminants	9/90	9/90
Unregulated Contaminants	2/90	9/90

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number: 2160064
Public Water System Name: Beacon Hills Water Treatment Plant
Public Water System Type (check one): (XX) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: (XX)Turbidity (XX)Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(XX)Secondary Chemical ( )Radiological (XX)Unregulated Organic Purgeable
( )Unregulated Organic Pesticide)Unregulated Base Neutral Extractable
( )Unregulated Acid Extractable
Subcontracted Lab Certification Number (if any): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): September 25, 1990
Laboratory Sample Number(s): 96022-1
Sample Location (be specific): Finished Water
Sample Type (check all applicable): (XX)Check ( )Clearance (XX)Raw (XX)Regular Distribution XX)Well (XX)Plant Tap
( )Maximum Residence Time (XX)Composite ( )Resample
( )Special
Sampler's Name & Title: Steven W. Lipham, Sampling Technician
Sampler's Company: Technical Services, Inc.
Sampler's Phone Number: (904) 353-5761

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY):
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: (XX)Turbidity (XX)Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(XX)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.

James C. Burpee
Laboratory Director
TECHNICAL SERVICES, INC.

Date: October 16, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES
LABORATORY NUMBER 96022-1
BEACON HILLS WATER TREATMENT PLANT
FINISHED WATER

2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TURBIDITY ANALYSIS
17-550.310(3)
(PWSO26)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100	Turbidity	96022-1		16	EPA180.1	09-25-90

Comments

INORGANIC ANALYSIS
17-550.310(1)
(PWSO30)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005	Arsenic	96022-1		<0.005	EPA206.3	0.005	10-02-90
1010	Barium	96022-1		0.6	EPA208.1	0.5	10-11-90
1015	Cadmium	96022-1		<0.001	EPA213.2	0.001	10-01-90
1020	Chromium	96022-1		<0.01	EPA218.2	0.01	10-02-90
1025	Fluoride	96022-1		0.986	EPA340.2	0.1	09-28-90
1030	Lead	96022-1		<0.005	EPA239.2	0.005	10-11-90
1035	Mercury	96022-1		<0.0002	EPA245.1	0.0002	09-29-90
1040	Nitrate (as N)	96022-1		0.04	EPA353.2	0.02	09-28-90
1045	Selenium	96022-1		<0.005	EPA270.3	0.005	10-03-90
1050	Silver	96022-1		<0.03	EPA272.1	0.03	09-27-90
1052	Sodium	96022-1		18.6	EPA273.1	0.1	10-12-90

Comments:

Lab. Certification #82145
Lab./Sample No.: 96022-1
Date Reported: October 16, 1990

SSU SERVICES
LABORATORY NUMBER 96022-1
BEACON HILLS WATER TREATMENT PLANT
FINISHED WATER

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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	96022-1		76.9	EPA215.1	0.20	09-28-90
1017	Chloride	96022-1		47.5	SM 407A	0.25	10-01-90
1019*	Carbonate $CaCO_3$	Not Applicable					
1021*	Hydroxide $CaCO_3$	Not Applicable					
1022	Copper	96022 -1		<0.03	EPA220.1	0.03	10-01-90
1023*	Bicarbonate $CaCO_3$	Not Applicable					
1025	Fluoride	Please enter as a primary on screen PWS030					
1026*	Bicarbonate HCO_3	Not Applicable					
1027*	Hydrogen Sulfide	Not Applicable					
1028	Iron	96022-1		0.241	EPA236.1	0.03	10-04-90
1031*	Magnesium	Not Applicable					
1032	Manganese	96022-1		<0.025	EPA243.1	0.025	10-06-90
1055	Sulfate	96022-1		94.5	EPA375.4	1.0	10-02-90
1095	Zinc	96022-1		0.026	EPA289.1	0.02	10-03-90
1901	Carbon Dioxide	96022-1		13	SM 406A	0.1	10-10-90
1905	Color (Color Units)	96022-1		5	SM 204A	5	09-25-90
1915*	Total Hardness	Not Applicable					
1917*	NCH as $CaCO_3$	Not Applicable					

*OPTIONAL - NOT REQUIRED BY RULE

Lab. Certification #82145
Lab./Sample No.: 96022-1
Date Reported: October 16, 1990

SSU SERVICES
LABORATORY NUMBER 96022 -1
BEACON HILLS WATER TREATMENT PLANT
FINISHED WATER

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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
1920	Odor (Total Odor Number)	96022 -1		No Odor Observed	SM 207	1	09-25-90
1924	Field pH (Units)	96022 -1		7.48	EPA150.1	0.1	09-25-90
1925*	Lab pH (Units)	96022 -1		7.25	EPA150.1	0.1	09-26-90
1926	Field Conductivity umhos/cm	96022 -1		590	EPA120.1	2	09-25-90
1927*	Total Alkalinity	96022 -1		140	SM 403	0.2	09-26-90
1930	TDS	96022 -1		402	EPA160.1	1	09-25-90
1931	Phenolphtalien Alk.	96022 -1		0	SM 403	0.5	09-26-90
1996	Field Temp. (°C)	96022 -1		24.3	EPA170.1	1	09-25-90
1997	Langelier Index pHs	96022 -1		7.37	SM 203	0.05	10-10-90
1998*	Saturation Index	96022 -1		-0.12	SM 203	0.05	10-10-90
1999*	Stability Index	Not Applicable					
2909	Foaming Agents	96022 -1		0.088	EPA425.1	0.025	10-11-90
9996	Field DO	96022 -1		5.1	SM 421F	0.1	09-25-90
9997*	Field Chlorine	Not Applicable					

Comments:

*OPTIONAL - NOT REQUIRED BY RULE

Lab. Certification #82145
Lab./Sample No.: 96022 -1
Date Reported: October 16, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number: 2160064
Public Water System Name: Beacon Hills Water Treatment Plant
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: (X)Turbidity (X)Inorganic ( )Trihalomethane (X)Volatile Organic ( )Organic Chemical
(XSecondary Chemical ( )Radiological ( )Unregulated Organic Purgeable
( )Unregulated Organic Pesticide)Unregulated Base Neutral Extractable
( )Unregulated Acid Extractable
Subcontracted Lab Certification Number (if any): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): September 25, 1990
Laboratory Sample Number(s): 96022-2
Sample Location (be specific): Well #1 and Well #2 - Raw
Sample Type (check all applicable): (X)Check ( )Clearance (X)Raw (X)Regular Distribution (X)Well (X)Plant Tap
( )Maximum Residence Time (X)Composite ( )Resample
( )Special
Sampler's Name & Tile: Steven W. Lipham, Sampling Technician
Sampler's Company: Technical Services, Inc.
Sampler's Phone Number: (904) 353-5761

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): EDB and DBCP - 10/01/90
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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.

Walter Mark
Laboratory Director
TECHNICAL SERVICES, INC.

Date: October 16, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (X)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES
LABORATORY NUMBER 96022-2
BEACON HILLS WATER TREATMENT PLANT
WELL #1 and #2, Raw

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWSO27)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWSO28)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946	Ethylene dibromide	96022-2		BDL	504	0.00001	10-01-90
2969	Para--dichlorobenzene	96022-2		BDL	502.2	0.001	09-26-90
2976	Vinyl chloride	96022-2		BDL	502.2	0.001	09-26-90
2977	1,1-dichloroethene	96022-2		BDL	502.2	0.001	09-26-90
2980	1,2-dichloroethane	96022-2		BDL	502.2	0.001	09-26-90
2981	1,1,1-trichloroethane	96022-2		BDL	502.2	0.001	09-26-90
2982	Carbon tetrachloride	96022-2		BDL	502.2	0.001	09-26-90
2984	Trichloroethene	96022-2		BDL	502.2	0.001	09-26-90
2987	Tetrachloroethene	96022-2		BDL	502.2	0.001	09-26-90
2990	Benzene	96022-2		BDL	502.2	0.001	09-26-90

Comments: BDL - Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 96022-2
Date Reported: October 16, 1990

SSU SERVICES
LABORATORY NUMBER 96022 -2
BEACON HILLS WATER TREATMENT PLANT
WELL #1 and #2, Raw

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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	96022 -2		BDL	502.2	0.001	09-26-90
2212	Dichlorodifluoro-methane	96022 -2		BDL	502.2	0.001	09-26-90
2214	Bromomethane	96022 -2		BDL	502.2	0.001	09-26-90
2216	Chloroethane	96022 -2		BDL	502.2	0.001	09-26-90
2218	Trichlorofluoromethane	96022 -2		BDL	502.2	-0.001	09-26-90
2224	trans-1,3-dichloro-propene	96022 -2		BDL	502.2	0.001	09-26-90
2228	cis-1,3-dichloro-propene	96022 -2		BDL	502.2	0.001	09-26-90
2251	Methyl-tert-butyl-ether	96022 -2		BDL	502.2	0.001	09-26-90
2380	cis-1,2-dichloroethene	96022 -2		BDL	502.2	0.001	09-26-90
2408	Dibromomethane	96022 -2		BDL	502.2	0.001	09-26-90
2410	1,1-dichloropropene	96022 -2		BDL	502.2	0.001	09-26-90
2412	1,3-dichloropropane	96022 -2		BDL	502.2	0.001	09-26-90
2414	1,2,3-trichloropropane	96022 -2		BDL	502.2	0.001	09-26-90
2416	2,2-dichloropropane	96022 -2		BDL	502.2	0.001	09-26-90
2931	1,2-dibromo-3-chloro-propane	96022 -2		BDL	502.2	0.001	09-26-90
2941	Chloroform	96022 -2		BDL	502.2	0.001	09-26-90
2942	Bromoform	96022 -2		BDL	502.2	0.001	09-26-90
2943	Bromodichloromethane	96022 -2		BDL	502.2	0.001	09-26-90
2944	Dibromochloromethane	96022 -2		BDL	502.2	0.001	09-26-90

Lab. Certification #82145
Lab./Sample No.: 96022 -2
Report Date: October 16, 1990

SSU SERVICES
LABORATORY NUMBER 96022-2
BEACON HILLS WATER TREATMENT PLANT
WELL #1 and #2 - Raw

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

UNREGULATED ORGANIC PURGEABLE ANALYSIS

17-550.410(1)
(PWSO34)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2962	p-xylene	96022-2		BDL	502.2	0.001	09-26-90
2964	Methylene chloride	96022-2		BDL	502.2	0.001	09-26-90
2965	o-chlorotoluene	96022 -2		BDL	502.2	0.001	09-26-90
2966	p-chlorotoluene	96022-2		BDL	502.2	0.001	09-26-90
2967	m-dichlorobenzene	96022-2		BDL	502.2	0.001	09-26-90
2968	o-dichlorobenzene	96022-2		BDL	502.2	0.001	09-26-90
2978	1,1-dichloroethane	96022-2		BDL	502.2	0.001	09-26-90
2979	trans-1,2-dichloro-ethylene	96022-2		BDL	502.2	0.001	09-26-90
2983	1,2-dichloropropane	96022-2		BDL	502.2	0.001	09-26-90
2985	1,1,2-trichloroethane	96022-2		BDL	502.2	0.001	09-26-90
2986	1,1,1,2-tetrachloro-ethane	96022-2		BDL	502.2	0.001	09-26-90
2988	1,1,2,2-tetrachloro-ethane	96022-2		BDL	502.2	0.001	09-26-90
2989	Chlorobenzene	96022-2		BDL	502.2	0.001	09-26-90
2991	Toluene	96022-2		BDL	502.2	0.001	09-26-90
2992	Ethylbenzene	96022-2		BDL	502.2	0.001	09-26-90
2993	Bromobenzene	96022-2		BDL	502.2	0.001	09-26-90
2995	m-xylene	96022-2		BDL	502.2	0.001	09-26-90
2996	Styrene	96022-2		BDL	502.2	0.001	09-26-90
2997	o-xylene	96022-2		BDL	502.2	0.001	09-26-90

Lab. Certification #82145
Lab./Sample No.: 96022-2
Date Reported: October 16, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - Southern States Utilities (Customer's Name)
Public Water System I.D. Number: 2160064
Public Water System Name: Beacon Hills
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)Volatile Organic ( )Organic Chemical
(Secondary Chemical ( )Radiological ( )Unregulated Organic Purgeable
(X)Unregulated Organic Pesticide)Unregulated Base Neutral Extractable
(X)Unregulated Acid Extractable
Subcontracted Lab Certification Number (if any): ABC Lab # 82135

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): 02/12/90
Laboratory Sample Number(s): 92839
Sample Location (be specific): plant tap
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw (X)Regular Distribution ( )Well ( )Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Tile: Mike Akers - operator
Sampler's Company: Southern States Utilities
Sampler's Phone Number: 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY):
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )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

I DO HEREBY CERTIFY THAT ALL DATA SUBMITTED ARE CORRECT.

Walter Mock
Laboratory Director
TECHNICAL SERVICES, INC.

Date: March 2, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): ( )Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

Southern States Utilities
Beacon Hills

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204

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	Not Applicable					
2010	Lindane	Not Applicable					
2015	Methoxychlor	Not Applicable					
2020	Toxaphene	Not Applicable					
2105	2,4-D	92839		< 0.001	EPA 515	0.001	02/24/90
2110	2,4,5-TP (Silvex)	92839		< 0.001	EPA 515	0.001	02/24/90

Comments:

Lab. Certification #82145
Lab./Sample No.: 92839
Date Reported: 03/22/90

Southern States Utilities
Beacon Hills

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204

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	92839		BDL	625	0.010	02/28/90
2063	Dioxin	92839		BDL	625	0.010	02/28/90
2262	Isophorone	92839		BDL	625	0.010	02/28/90
2270	2,4-dinitrotoluene	92839		BDL	625	0.010	02/28/90
2282	Dimethylphthalate	92839		BDL	625	0.010	02/28/90
2284	Diethylphthalate	92839		BDL	625	0.010	02/28/90
2290	Di-n-butylphthalate	92839		BDL	625	0.010	02/28/90
2294	Butyl benzyl phthalate	92839		BDL	625	0.010	02/28/90
2298	Bis(2-ethylhexyl)-phthalate	92839		BDL	625	0.010	02/28/90
2378	1,2,4-trichlorobenzene	92839		BDL	625	0.010	02/28/90
2388	PCB-1016	92839		BDL	625	0.050	02/28/90
2390	PCB-1221	92839		BDL	625	0.050	02/28/90
2392	PCB-1232	92839		BDL	625	0.050	02/28/90
2394	PCB-1242	92839		BDL	625	0.050	02/28/90
2396	PCB-1248	92839		BDL	625	0.050	02/28/90
2398	PCB-1254	92839		BDL	625	0.050	02/28/90
2400	PCB-1260	92839		BDL	625	0.050	02/28/90
9089	Dioctylphthalate	92839		BDL	625	0.010	02/28/90

Lab. Certification #82145
Lab./Sample No.: 92839
Date Reported: 03/22/90

Southern States Utilities
Beacon Hills

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204

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	92839		BDL	625	0.010	02/28/90
9112	2-methyl-4,6-dinito-phenol	92839		BDL	625	0.050	02/28/90
9115	Phenol	92839		BDL	625	0.010	02/28/90
9116	2,4,6-trichloro-phenol	92839		BDL	625	0.030	02/28/90

Comments: BDL = Below Detection Limit

Laboratory Certification #82145
Lab./Sample No.: 92839
Date Reported: 03/22/90

Southern States Utilities
Beacon Hills

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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	Not Applicable					
2212	Dichlorodifluoro-methane	Not Applicable					
2214	Bromomethane	Not Applicable					
2216	Chloroethane	Not Applicable					
2218	Trichlorofluoromethane	Not Applicable					
2224	trans-1,3-dichloro-propene	Not Applicable					
2228	cis-1,3-dichloro-propene	Not Applicable					
2251	Methyl-tert-butyl-ether	Not Applicable					
2380	cis-1,2-dichloroethene	Not Applicable					
2408	Dibromomethane	Not Applicable					
2410	1,1-dichloropropene	Not Applicable					
2412	1,3-dichloropropane	Not Applicable					
2414	1,2,3-trichloropropane	Not Applicable					
2416	2,2-dichloropropane	Not Applicable					
2931	1,2-dibromo-3-chloro-propane	Not Applicable					
2941	Chloroform	92839		0.002	502.1	0.001	02/19/90
2942	Bromoform	92839		BDL	502.1	0.001	02/19/90
2943	Bromodichloromethane	92839		BDL	502.1	0.001	02/19/90
2944	Dibromochloromethane	92839		BDL	502.1	0.001	02/19/90

Lab. Certification #82145
Lab./Sample No.: 92839
Report Date: 03/22/90

Southern States Utilities
Beacon Hills

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

UNREGULATED ORGANIC PURGEABLE ANALYSIS

17-550.410(1)
(PWSO34)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2962	p-xylene	92839		BDL	502.2	0.001	02/19/90
2964	Methylene chloride	92839		BDL	502.2	0.001	02/19/90
2965	o-chlorotoluene	92839		BDL	502.2	0.001	02/19/90
2966	p-chlorotoluene	92839		BDL	502.2	0.001	02/19/90
2967	m-dichlorobenzene	92839		BDL	502.2	0.001	02/19/90
2968	o-dichlorobenzene	92839		BDL	502.2	0.001	02/19/90
2978	1,1-dichloroethane	92839		BDL	502.2	0.001	02/19/90
2979	trans-1,2-dichloro-ethylene	92839		BDL	502.2	0.001	02/19/90
2983	1,2-dichloropropane	92839		BDL	502.2	0.001	02/19/90
2985	1,1,2-trichloroethane	92839		BDL	502.2	0.001	02/19/90
2986	1,1,1,2-tetrachloro-ethane	92839		BDL	502.2	0.001	02/19/90
2988	1,1,2,2-tetrachloro-ethane	92839		BDL	502.2	0.001	02/19/90
2989	Chlorobenzene	92839		BDL	502.2	0.001	02/19/90
2991	Toluene	92839		BDL	502.2	0.001	02/19/90
2992	Ethylbenzene	92839		BDL	502.2	0.001	02/19/90
2993	Bromobenzene	92839		BDL	502.2	0.001	02/19/90
2995	m-xylene	92839		BDL	502.2	0.001	02/19/90
2996	Styrene	92839		BDL	502.2	0.001	02/19/90
2997	o-xylene	92839		BDL	502.2	0.001	02/19/90

Lab. Certification #82145
Lab./Sample No.: 92839
Date Reported: 03/22/90

Southern States Utilities
Beacon Hills

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWSO27)

Parameter ID NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM	Not Applicable					
2950 TTHM	Not Applicable					

Comments:

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWSO28)

Parameter ID NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946 Ethylene dibromide	92839		BDL	504	0.00001	02/16/90
2969 Para—dichlorobenzene	92839		BDL	502.1	0.001	02/19/90
2976 Vinyl chloride	92839		BDL	502.1	0.001	02/19/90
2977 1,1-dichloroethene	92839		BDL	502.1	0.001	02/19/90
2980 1,2-dichloroethane	92839		BDL	502.1	0.001	02/19/90
2981 1,1,1-trichloroethane	92839		BDL	502.1	0.001	02/19/90
2982 Carbon tetrachloride	92839		BDL	502.1	0.001	02/19/90
2984 Trichloroethene	92839		BDL	502.1	0.001	02/19/90
2987 Tetrachloroethene	92839		BDL	502.1	0.001	02/19/90
2990 Benzene	92839		BDL	502.1	0.001	02/19/90

Comments: BDL = Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 92839
Date Reported: 03/22/90

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SOUTHERN STATES UTILITIES (Customer's Name)
Public Water System I.D. Number: 2160064
Public Water System Name: Beacon Hills
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(Secondary Chemical ( )Radiological ( )Unregulated Organic Purgeable
(XX)Unregulated Organic Pesticide)Unregulated Base Neutral Extractable
( )Unregulated Acid Extractable
Subcontracted Lab Certification Number (if any): FDHRS #82135, ABC Research

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): February 12, 1990
Laboratory Sample Number(s): 92839 - SUPPLEMENTAL REPORT
Sample Location (be specific): Beacon Hills
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution ( )Well (X)Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Tile: Mike Akers - Operator
Sampler's Company: Southern States Utilities
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): EPA505 02/19/90, EPA515 02/22/90
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5781.
Resample Request: ( )Yes (XX)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(Secondary Chemical ( )Radiological ( )Unregulated Organic Purgeable
(XX)Unregulated Organic Pesticide ( )Unregulated Base Neutral Extractable
( )Unregulated Acid Extractable

I DO HEREBY CERTIFY THAT ALL DATA SUBMITTED ARE CORRECT.

Walter Mock
Laboratory Director
TECHNICAL SERVICES, INC.

Date: May 11, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SOUTHERN STATES UTILITIES
LABORATORY NUMBER 92839
BEACON HILLS

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

SUPPLEMENTAL REPORT

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031	Dalapon	93289		BDL*	EPA515	0.050	02-24-90
2036	Oxamyl (Vydate)	92839		BDL	EPA531	0.020	03-05-90
2037	Simazine	92839		BDL	EPA505	0.010	02-21-90
2040	Picloram	92839		BDL	EPA515	0.050	02-24-90
2041	Dinoseb	92839		BDL	EPA515	0.050	02-24-90
2043	Aldicarb sulfoxide	92839		BDL	EPA531	0.020	03-05-90
2044	Aldicarb sulfone	92839		BDL	EPA531	0.020	03-05-90
2045	Metolachlor	92839		BDL	EPA505	0.001	02-21-90
2046	Carbofuran	92839		BDL	EPA531	0.020	03-05-90
2047	Aldicarb	92839		BDL	EPA531	0.020	03-05-90
2050	Atrazine	92839		BDL	EPA505	0.010	02-21-90
2051	Alachlor (Lasso)	92839		BDL	EPA505	0.001	02-21-90
2065	Heptachlor	92839		BDL	EPA505	0.0001	02-21-90
2356	Aldrin	92839		BDL	EPA505	0.0001	02-21-90
2364	Dieldrin	92839		BDL	EPA505	0.0001	02-21-90
2440	Dicamba	92839		BDL	EPA515	0.050	02-24-90
2959	Chlordane	92839		BDL	EPA505	0.001	02-21-90
2326	Pentachlorophenol	92839		BDL	EPA515	0.050	02-24-90

Comments: * BDL Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 92839
Date Reported: May 11, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number: 2160064
Public Water System Name: Beacon Hills
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): July 18, 1990
Laboratory Sample Number(s): 95012 CORRECTED REPORT
Sample Location (be specific): WELL - 11476 Sweet Cherry Lane, COMPOSITE
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution (X)Well ( )Plant Tap
( )Maximum Residence Time (X)Composite ( )Resample
( )Special
Sampler's Name & Tile: Mr. Tony Colucci, Operator
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): July 23, 1990
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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.

Harvey C. Gray
Laboratory Director
TECHNICAL SERVICES, INC.

Date: August 20, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (X)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number: 2160064
Public Water System Name: Beacon Hills
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): July 18, 1990
Laboratory Sample Number(s): 95012
Sample Location (be specific): WELL - 11476 Sweet Cherry Lane
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution (X)Well ( )Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Tile: Mr. Tony Colucci, Operator
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): July 23, 1990
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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.

Walter Mark
Laboratory Director
TECHNICAL SERVICES, INC.

Date: August 7, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (X)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES
LABORATORY NUMBER 95012 CORRECTED REPORT
BEACON HILLS

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWSO27)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWSO28)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946	Ethylene dibromide	95012		BDL	504	0.00001	07-24-90
2969	Para--dichlorobenzene	95012		BDL	502.1	0.001	07-19-90
2976	Vinyl chloride	95012		BDL	502.1	0.001	07-19-90
2977	1,1-dichloroethene	95012		BDL	502.1	0.001	07-19-90
2980	1,2-dichloroethane	95012		BDL	502.1	0.001	07-19-90
2981	1,1,1-trichloroethane	95012		BDL	502.1	0.001	07-19-90
2982	Carbon tetrachloride	95012		BDL	502.1	0.001	07-19-90
2984	Trichloroethene	95012		BDL	502.1	0.001	07-19-90
2987	Tetrachloroethene	95012		BDL	502.1	0.001	07-19-90
2990	Benzene	95012		BDL	502.1	0.001	07-19-90

Comments: * BDL - Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 95012
Date Reported: August 20, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number: 2160064
Public Water System Name: Beacon Hills Water Treatment Plant
Public Water System Type (check one): (XX) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (XX)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): October 17, 1990 @ 11:40am
Laboratory Sample Number(s): 96348
Sample Location (be specific): WELL #1 Beacon Hills Water Treatment Plant
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution (XX)Well ( )Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Tile: Mr. Charles S. Fender
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 744-4188

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): EDB - 10-21-90
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (XX)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.

Walter Mack
Laboratory Director
TECHNICAL SERVICES, INC.

Date: October 29, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES
LABORATORY NUMBER 96348
BEACON HILLS WATER TREATMENT PLANT

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWSO27)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWSO28)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946	Ethylene dibromide	96348		BDL*	EPA 504	0.00001	10-23-90
2969	Para--dichlorobenzene	96348		BDL	EPA502.2	0.001	10-25-90
2976	Vinyl chloride	96348		BDL	EPA502.2	0.001	10-25-90
2977	1,1-dichloroethene	96348		BDL	EPA502.2	0.001	10-25-90
2980	1,2-dichloroethane	96348		BDL	EPA502.2	0.001	10-25-90
2981	1,1,1-trichloroethane	96348		BDL	EPA502.2	0.001	10-25-90
2982	Carbon tetrachloride	96348		BDL	EPA502.2	0.001	10-25-90
2984	Trichloroethene	96348		BDL	EPA502.2	0.001	10-25-90
2987	Tetrachloroethene	96348		BDL	EPA502.2	0.001	10-25-90
2990	Benzene	96348		BDL	EPA502.2	0.001	10-25-90

Comments: BDL - Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 96348
Date Reported: October 29, 1990

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
SSU
5710 Edenfield Rd.
Jacksonville,FL 32211

Date Reported: Feb26 1991
PO Number: 22171
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL COMP.
Date Received: Feb15 1991 Lab Number : 16312

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16312
Ethylene dibromide	mg/L	0.000005	108	1.90	<0.000005
Para-dichlorobenzene	mg/L	0.001	117	6.42	<0.001
Vinyl chloride	mg/L	0.001	100.	.045	<0.001
1,1-dichloroethene	mg/L	0.001	100.	.045	<0.001
1,2-dichloroethane	mg/L	0.001	108	1.81	<0.001
1,1,1-trichloroethan	mg/L	0.001	96.4	.248	<0.001
Carbon tetrachloride	mg/L	0.001	98.9	.004	<0.001
Trichloroethene	mg/L	0.001	94.4	.671	<0.001
Tetrachloroethene	mg/L	0.001	107	2.65	<0.001
Benzene	mg/L	0.001	92.9	2.20	<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
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS RE PORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name Beacon Hills 2/14/91
Public Water System Type (check one):
( )Commun ( )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 16312
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 SUBMITTEC 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 2/25/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	16312	.00002	<0.000005	EPA504.1	.000005	2/22/91
2969	Para-dichlorobenzene	16312	.075	<0.001	EPA502.2	0.001	2/22/91
2976	Vinyl chloride	16312	0.001	<0.001	EPA502.2	0.001	2/22/91
2977	1,1-dichloroethene	16312	0.007	<0.001	EPA502.2	0.001	2/22/91
2980	1,2-dichloroethane	16312	0.003	<0.001	EPA502.2	0.001	2/22/91
2981	1,1,1-trichloroethane	16312	0.2	<0.001	EPA502.2	0.001	2/22/91
2982	Carbon tetrachloride	16312	0.003	<0.001	EPA502.2	0.001	2/22/91
2984	Trichloroethene	16312	0.003	<0.001	EPA502.2	0.001	2/22/91
2987	Tetrachloroethene	16312	0.003	<0.001	EPA502.2	0.001	2/22/91
2990	Benzene	16312	0.001	<0.001	EPA502.2	0.001	2/22/91

Comments:

CHEMICAL LABORATORIES INCORPORATED

FDER Lab# E83018
FDHRS LAb# 83128
NCDEHNR Lab# 248
SCDHEC Lab# 96019

Attn: Chuck Fender

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1) Client	(2) Address	(3) Phone
SSU Services	210 Eccleston Rd. Jacksonville, FL 32211	904 744-4158
(4) Public Drinking Water ID #		(5) Public Water System Name:
(6) Project #	(8) Public Water System Type	
(7) PO#	( ) Community ( ) Non-Community ( ) Special Non-Community	

(9)		Preservative			Plastic Containers						Glass Containers							NOTES:
		HNO3	ZnOAC/NaOH		60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L		(8) Turn Around Time:
																		10 Working Days:
																		5 Working Days :
																		3 Working Days :
																		1 Working Day :
																		Other :
12											X							6 Wells 2 Samples

(10) Rll Relinquished:	(10) Date	(11) Rll Received	(11) Date
Stephen Nichols	(10) Time		(11) Time

(12) SAMPLE INFORMATION; SAMPLE DATE: MONTH 02 DATE 14 YEAR 91
SAMPLE TYPE (check all applicable); *( ) check, ( ) regular distribution
( ) composite, ( ) clearance, ( ) max residence time, ( ) plant tap,
( ) raw, (X) well, ( ) resample _____, ( ) special _____
SAMPLER'S NAME: Charles S. Fender TITLE: Operator PHONE: 744-4158
SAMPLER'S SIGNATURE: Charles S. Fender
NOTES: The Names + #'s of plts are: 16312 comp. { Woodmere — 216 1278 2 wells; Beacon Hills — 216 90064 2 wells; Cobblestone — 216 4406 1 well
16313 by itself → Remington Forest — 255 4361 1 well

Le Kits

(13) Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volitile Organic__; Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Purgeable__; Unregulated Organic Pesticide__; Unregulated Base Neutral Extractable__; Unregulated Acid Extractable__;

(14) Laboratory Number	(15) Client Sample Identification
	#1
	#2 Woodmere Cobblestone

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES, INC. (Customer's Name)
Public Water System I.D. Number: 2160064
Public Water System Name: BEACON HILLS WATER TREATMENT PLANT
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: (XX)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): November 7, 1990
Laboratory Sample Number(s): 96734-1
Sample Location (be specific): FINISHED WATER
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution ( )Well T ( )Plant Tap
( )Maximum Residence Time ( )Composite (XX)Resample
( )Special
Sampler's Name & Title: Charles S. Fender
Sampler's Company: SSU Services, Inc.
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): Not Applicable
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: (XX)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.

James C Burden

Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 15, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

SSU SERVICES, INC.
LABORATORY NUMBER 96734-1
BEACON HILLS WATER TREATMENT PLANT
11-07-90

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100	Turbidity	96734-1		0.65	EPA180.1	11-09-90

Comments

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 Applicable					
1010	Barium	Not Applicable					
1015	Cadmium	Not Applicable					
1020	Chromium	Not Applicable					
1025	Fluoride	Not Applicable					
1030	Lead	Not Applicable					
1035	Mercury	Not Applicable					
1040	Nitrate (as N)	Not Applicable					
1045	Selenium	Not Applicable					
1050	Silver	Not Applicable					
1052	Sodium	Not Applicable					

Comments:

Lab. Certification #82145
Lab./Sample No.: 96734-1
Date Reported: November 15, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES, INC. (Customer's Name)
Public Water System I.D. Number: 2160064
Public Water System Name: BEACON HILLS WATER TREATMENT PLANT
Public Water System Type (check one): (XX) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: (XX)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): November 8, 1990
Laboratory Sample Number(s): 96734-2
Sample Location (be specific): FINISHED WATER
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution ( )Well ( )Plant Tap
( )Maximum Residence Time ( )Composite (XX)Resample
( )Special
Sampler's Name & Tile: Charles S. Fender
Sampler's Company: SSU Services, Inc.
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): Not Applicable
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: (XX)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.

James C Burden

Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 15, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES, INC.
LABORATORY NUMBER 96734-2
BEACON HILLS WATER TREATMENT PLANT
11-08-90

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID	Parameter NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100	Turbidity	96734-2		2.3	EPA180.1	11-09-90

Comments

INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Parameter NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005	Arsenic	Not Applicable					
1010	Barium	Not Applicable					
1015	Cadmium	Not Applicable					
1020	Chromium	Not Applicable					
1025	Fluoride	Not Applicable					
1030	Lead	Not Applicable					
1035	Mercury	Not Applicable					
1040	Nitrate (as N)	Not Applicable					
1045	Selenium	Not Applicable					
1050	Silver	Not Applicable					
1052	Sodium	Not Applicable					

Comments:

Lab. Certification #82145
Lab./Sample No.: 96734-2
Date Reported: November 2, 1990

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
SSU
5710 Edenfield Rd.
Jacksonville,FL 32211

Date Reported: Jul24 1991
PO Number: 110996
PO Number Woodmer/Beac 11/15
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: BEACON HILLS
Date Received: Jul12 1991 Lab Number : 17323

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17323
Endrin	mg/L	0.000001	104	2.18	<0.000001
Lindane	mg/L	0.000001	106	3.33	<0.000001
Methoxychlor	mg/L	0.00001	104	6.80	<0.00001
Toxaphene	mg/L	0.0001	105	3.38	<0.0001
2,4-D	mg/L	0.00005	89.8	11.4	<0.00005
2,4,5-TP(Silvex)	mg/L	0.00002	97.0	3.64	<0.00002

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 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

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

6/28/91

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:
Public Water System Name Beaver Hills
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___; Organic Chemical_X_; 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 17323
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 7/22/91
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 7/23/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () Satisfactory () Unsatisfactory

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	17323	0.0002	<.000001	EPA508	.000001	7/22/91
2010	Lindane	17323	0.004	<.000001	EPA508	.000001	7/22/91
2015	Methoxychlor	17323	0.1	<0.00001	EPA508	0.00001	7/22/91
2020	Toxaphene	17323	0.005	<0.0001	EPA508	0.0001	7/22/91
2105	2,4-D	17323	0.1	<0.00005	EPA515	0.00005	7/22/91
2110	2,4,5-TP(Silvex)	17323	0.01	<0.00002	EPA515	0.00002	7/22/91

Comments:

Beacon Hills

[redacted] 13.1

CHEMICAL & LABORATORIES

FDER Lab ID
FDHRS Lab ID
NELAP Lab ID
DCHEC Lab ID

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

Attn: Chuck Fender

(1) Client	(2) Address	(3) Phone
SSU Services	5710 Edenfield Rd Jacksonville, FL 32211	(904) 744-4188

(4) Public Drinking Water ID #	(5) Public Water System Name:
See bottle label	See bottle label

(6) Project #	(8) Public Water System Type
(7) PO# 110996	(X) Community ( ) Non-Community ( ) Special Non-Community

	Preservative			Plastic Containers						Glass Containers						NOTES:
		HNO3	ZnOAC+NaOH		60ml	125ml	250ml	500ml	1L	Water-Pac Bag	40ml	250ml	500ml	1L	1/2L	1gl	(9) Turn Around Time: 10 Working Days: ___ 5 Working Days: ___ 3 Working Days: ___ 1 Working Day: ___ Other: ___
(9)	2														X		

(10) Rel inquished:	(10) Date / (10) Time	(11) Rec Received	(11) Date / (11) Time

2) SAMPLE INFORMATION; SAMPLE DATE: MONTH 6 DATE 28 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: Charles S. Fender TITLE: Lead Oper. PHONE: (904) 473-1885
SAMPLER'S SIGNATURE: Charles S Fender
NOTES:

(2) Primary organics

Samples were held at 4°C for storage until VOC samples were taken in July for Palm Valley systems.

(13) Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic__; Organic Chemical(X); Secondary Chemical__; Radiological__; Unregulated Organic Purgeable__; Unregulated Organic Pesticide__; Unregulated Base Neutral Extractable__; Unregulated Acid Extractable__;

(14) Laboratory Number	(15) Client Sample Identification
17322	#1 Woodmere Plt
17323	#2 Beacon Hills Plt
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

		Date	Time
(16) Collectors Signature:	Charles S Fender	6/28/91	1645
(17) Transporters Signature:		7/2/91	9:52
(18) Lab Acceptance By:			

OVER FOR INSTRUCTIONS FOR COMPLETION

Fels.

TECHNICAL SERVICES, INC
2901 DANESE STREET
PUBLIC DRINKING WATER
ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SOUTHRN STATE UTIL./BEACON HILLS
Public Water System I.D. Number: Not Applicable
Public Water System Name: WELL BH1 (BEACON HILLS 1)
Public Water System Type: COMMUNITY

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: INORGANIC
Subcontracted lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 4, 1991
Laboratory Sample Number: 9110074-1
Sample Location (be specific): Raw Well Tap Inside
Sample Type: Raw Well

Sampler's Name and Title: Roger Peck/Sampling Tech.
Sampler's Company: Technical Services Inc.
Sampler's Phone Number: (904) 353-5761

ANALYSIS INFORMATION:
Extraction Date: Not Applicable
Laboratory contact: Mr. Walter Mock
Resample Request: No
Analyses Submitted: Inorganic

I DO HEREBY CERTIFY THAT ALL DATA SUBMITTED ARE CORRECT.

Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 11, 1991

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
( ) Satisfactory ( ) Unsatisfactory

TECHNICAL SERVICES, INC.
2901 DANESE STREET
JACKSONVILLE, FLORIA 32206
(904) 353-5761

SECONDARY CHEMIAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysi Date
1016	Calcium	9110074-1	64.	EPA215.1	10-31-9
1017	Chloride	9110074-1	38.7	SM 407A	10-[illegible]
1019*	Carbonate $CaCO_3$	Not Applicable			
1021*	Hydroxide $CaCO_3$	Not Applicable			
1022	Copper	Not Applicable			
1023*	Bicarbonate $CaCO_3$	9110074-1	155	SM403	10-11
1025	Fluoride	Not Applicable			
[illegible]	Bicarbonate HCO_3	Not Applicable			
1027*	Hydrogen Sulfide	Not Applicable			
1028	Iron	9110074-1	0.23	EPA236.1	10-31-9
1031*	Magnesium	9110074-1	28	EPA242.1	10-31-9
1032	Manganese	Not Applicable			
1055	Sulfate	9110074-1	126	EPA375.4	10-21-9
1095	Zinc	Not Applicable			
1901	Carbon Dioxide	Not Applicable			
1905	Color (Color Units)	Not Applicable			
1915*	Total Hardness	9110074-1	255	SM 314A	10-31-9
1917*	NCH as $CaCO_3$	Not Applicable			

*Optional - Not Required By Rule

TECHNICAL SERVICES, INC.
2901 DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Metho	Analysis Date
1920	Odor (TON)	Not Applicable			
1924	pH (field)	9110074-1	7.31	EPA150.1	10-04-91
1925*	lab pH (Units)	Not Applicable			
1926	Field Conductivity, umhos/cm	9110074-1	560	EPA120.1	10-04-91
1927	Total Alkalinity	Not Applicable			
1930	Total Dissolved Solids	9110074-1	412	EPA160.1	10-17-91
1931	Phenolphthalein Alkalinity	Not Applicable			
1996	Temperature °C	9110074-1	25°C	EPA170.1	10-04-91
1997	Langelier Indes pHs	Not Applicable			
1998	Saturation Index	Not Applicable			
2909	Foaming Agens	Not Applicable			
9996	Field Dissolved Oxygen	Not Applicable			
	Carbonate (field)	9110074-1	0	SM 403	10-04-91
	Carbonate (lab)	9110074-1	0	SM 403	10-04-91
	Sodium	9110074-1	19	EPA273.1	10-31-91
	Potassium	9110074-1	1.8	EPA258.1	10-31-91

Files

TECHNICAL SERVICES, INC
2901 DANESE STREET
PUBLIC DRINKING WATER
ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION: SOUTHRN STATE UTIL./BEACON HILLS
Public Water System I.D. Number: Not Applicable
Public Water System Name: WELL BH2 (BEACON HILLS 2)
Public Water System Type: COMMUNITY

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: INORGANIC
Subcontracted lab Number (If Any): Not Applicable

SAMPLE INFORMATION:
Sample Date: October 4, 1991
Laboratory Sample Number: 9110074-2
Sample Location (be specific): Raw Well Tap Outside
Sample Type: Raw Well

Sampler's Name and Title: Roger Peck/Sampling Tech.
Sampler's Company: Technical Services Inc.
Sampler's Phone Number: (904) 353-5761

ANALYSIS INFORMATION:
Extraction Date: Not Applicable
Laboratory contact: Mr. Walter Mock
Resample Request: No
Analyses Submitted: Inorganic

I DO HEREBY CERTIFY THAT ALL DATA SUBMITTED ARE CORRECT.

James C Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 11, 1991

Results mailed to appropriate DER/ACPHU Office by: Customer

DER/ACPHU REVIEWING OFFICIAL

Sample Interpretation (Check One)
( ) Satisfactory ( ) Unsatisfactory

TECHNICAL SERVICES, INC.
2901 DANESE STREET
JACKSONVILLE, FLORIA 32206
(904) 353-5761

SECONDARY CHEMIAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Method	Analysis Date
1016	Calcium	9110074-2	60	EPA215.1	10-24-91
1017	Chloride	9110074-2	43.5	SM 407A	10-03-91
1019*	Carbonate $CaCO_3$	Not Applicable			
1021*	Hydroxide $CaCO_3$	Not Applicable			
1022	Copper	Not Applicable			
1023*	Bicarbonate $CaCO_3$	9110074-2	154	SM403	10-14-91
1025	Fluoride	Not Applicable			
1026*	Bicarbonate HCO_3	Not Applicable			
1027*	Hydrogen Sulfide	Not Applicable			
1028	Iron	9110074-2	<0.03	EPA236.1	10-10-91
1031*	Magnesium	9110074-2	29	EPA242.1	10-16-91
1032	Manganese	Not Applicable			
1055	Sulfate	9110074-2	103	EPA375.4	10-21-91
1095	Zinc	Not Applicable			
1901	Carbon Dioxide	Not Applicable			
1905	Color (Color Units)	Not Applicable			
1915*	Total Hardness	9110074-2	247	SM 314A	10-21-91
1917*	NCH as $CaCO_3$	Not Applicable			

*Optional - Not Required By Rule

TECHNICAL SERVICES, INC.
2901 DANESE STREET
JACKSONVILLE, FLORIDA 32206
(904) 353-5761

SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	NAME	Sample Number	Analysis Result (mg/L)	Analytical Metho	Analysis Date
1920	Odor (TON)	Not Applicable			
1924	pH (field)	9110074-2	7.99	EPA150.1	10-04-91
1925*	lab pH (Units)	Not Applicable			
1926	Field Conductivity, umhos/cm	9110074-2	600	EPA120.1	10-04-91
1927	Total Alkalinity	Not Applicable			
1930	Total Dissolved Solids	9110074-2	410	EPA160.1	10-17-91
1931	Phenolphthalein Alkalinity	Not Applicable			
1996	Temperature °C	9110074-2	24°C	EPA170.1	10-04-91
1997	Langelier Indes pHs	Not Applicable			
1998	Saturation Index	Not Applicable			
2909	Foaming Agens	Not Applicable			
9996	Field Dissolved Oxygen	Not Applicable			
	Carbonate (field)	9110074-2	0	SM 403	10-04-91
	Carbonate (lab)	9110074-2	0	SM 403	10-04-91
	Sodium	9110074-2	19	EPA273.1	10-31-91
	Potassium	9110074-2	1.5	EPA258.1	10-31-91

TECHNICAL SERVICES, INC.

ENVIRONMENTAL CONSULTANTS — INDUSTRIAL CHEMISTS
OFFICE 2471 SWAN ST. — P.O. BOX 52329
LABORATORIES 103-107 STOCKTON STREET
JACKSONVILLE, FLORIDA 32201
(904) 353-5761

Laboratory No. 83600

May 19, 19 88

Sample of Well Water

Date Received March 31, 1988 @ 3:30 PM

For First Coast Environmental Lab., 8818 Arlington Expressway, Jacksonville, Florida 32211
Attn: Mr. Adolph Wollitz, Lab. Director

Marks: Beacon Hills, 8803-131, Sampled 3/29/88 by Mike Akers

CERTIFICATE OF ANALYSIS OR TESTS

Gross Alpha, pCi/liter:	0 ± 2

Method: SM 703
Date: 4/25/88
Time: 1528
Analyst: CEP

The results were supplied by subcontractor CEP, FDHRS #87239

dk

Respectfully submitted,

TECHNICAL SERVICES, INC.

BY James C. Burden

LABORATORY I.D. NO. 82145

HRS
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. [illegible]
RECD [illegible] JAX
DEC 16 1 22 PM '91
RICHARD BERRY

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Beacon Hills SYSTEM I.D. NO: 2160064 SYSTEM PHONE #: 744-4184
ADDRESS: Sweet Cherry Ln COUNTY: Duval DER DISTRICT: II
COLLECTOR: Samuel P Chase COLLECTOR PHONE #: 744-1184
SAMPLE SITE (Locality or Subdivision): Run. St Johns Beacon Hills.
DATE AND TIME COLLECTED: 12-18-91 11:00 - 11:45

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): (Compliance) Repeat Replacement Main clearance Well survey Other _____ (Specify)
(Check Box)
(X) Distribution
[ ] Raw
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]

REMARKS: 4 of 5

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB					
				ANALYSIS METHOD:	MF	MTF		MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL	
9	11531 Arbor Lake Dr. W.	2.5		U63090		SATISFACTORY			
10	4445 Pleasant Hill Dr.	0.6		U63091		A			
11	4952 Marina Pt. Dr.	0.3		U63092		A			
12	4958 Laurel Garden Way	0.3		U63093		A			
13	11049 Iona Robert Rd	0.4		U63094		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

HRS Form 688, Jun 88 (Obsolete previous editions which may not be used) (Stock Number 0160-000-0688-3)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. Services
P.O. Box 8931
Jax Fl 32239

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

REVIEWING OFFICIAL: Chris C. Carter

TITLE: _____

HRS

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 2 0
Jacksonville, Florida 32231

I. FOR LAB USE ONLY
RECEIVED 2001
JAX
DEC 3 1 [illegible] '91
RICHARD BERRY

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Beacon Hills SYSTEM I.D. NO: 2160064 SYSTEM PHONE #: 744-41[illegible]
ADDRESS: Sweet Cherry Lane COUNTY: Duval DER DISTRICT: II
COLLECTOR: D. Holcomb COLLECTOR PHONE #: 744-41[illegible]
SAMPLE SITE (Locality or Subdivision): Beacon Hills
DATE AND TIME COLLECTED: 12/3/91 10:00Am - 10:35Am
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) [ ] Distribution [ ] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other (Specify)
REMARKS:

40

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: MF		MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
#1	well #1 RAW	—	7.0	060[illegible]		A		
#2	well #2 RAW	—	7.0	060181		A		
#3	Treated Portside I.S. Hwy 21	0.3	—	060182		A		
#4	Treated Blowoff Starboard Dr.	0.4	—	060183		A		
#5	Treated 4944 Ravine Court	0.5	—	060184		A		
#6	Treated 4635 Chris Beneth	0.3	—	060185		A		
#7	Treated 11803 Francis Drake	0.2	—	060186		A		

SATISFACTORY

* 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
P.O. Box 8931
Jax, Fla. 32239

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

REVIEWING OFFICIAL: Chris C. Carter
TITLE:

Copies Sent to: DER + BESD
5-8-90 TC

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - Southern States Utilities (Customer's Name)
Public Water System I.D. Number: 2164406
Public Water System Name: Cobblestone
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)Volatile Organic (X)Organic Chemical
(Secondary Chemical ( )Radiological (X)Unregulated Organic Purgeable
(X)Unregulated Organic Pesticide X)Unregulated Base Neutral Extractable
(X)Unregulated Acid Extractable
Subcontracted Lab Certification Number (if any): 87239

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): February 26, 1990
Laboratory Sample Number(s): 93021
Sample Location (be specific): Plant Tap
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw (X)Regular Distribution ( )Well (X)Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Tile: Mike Akers
Sampler's Company: Southern States Utilities
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY):
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)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

I DO HEREBY CERTIFY THAT ALL DATA SUBMITTED ARE CORRECT.

Walter Mock
Laboratory Director
TECHNICAL SERVICES, INC.

Date: April 12, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): ( )Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

Southern States Utilities
Lab No. 93021
Public I.D.# 2164406
Cobblestone

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWS027)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

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	93021	BDL	EPA 504	0.00002	03/ /90
2969	Para--dichlorobenzene	93021	BDL	EPA 502	0.001	03/08/90
2976	Vinyl chloride	93021	BDL	EPA 502	0.001	03/08/90
2977	1,1-dichloroethene	93021	BDL	EPA 502	0.001	03/08/90
2980	1,2-dichloroethane	93021	BDL	EPA 502	0.001	03/08/90
2981	1,1,1-trichloroethane	93021	BDL	EPA 502	0.001	03/08/90
2982	Carbon tetrachloride	93021	BDL	EPA 502	0.001	03/08/90
2984	Trichloroethene	93021	BDL	EPA 502	0.001	03/08/90
2987	Tetrachloroethene	93021	BDL	EPA 502	0.001	03/08/90
2990	Benzene	93021	BDL	EPA 503	0.001	03/08/90

Comments: BDL = Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 93021
Date Reported: 04/12/90

Southern States Utilities
Lab.No. 93021
Public I.D.# 2164406
Cobblestone

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

UNREGULATED ORGANIC PURGEABLE ANALYSIS

17-550.410(1)
(PWSO34)

Parameter ID	NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2962	p-xylene	93201	BDL	EPA 503	0.001	03/08/90
2964	Methylene chloride	93201	BDL	EPA 502	0.001	03/08/90
2965	o-chlorotoluene	93201	BDL	EPA 502	0.001	03/08/90
2966	p-chlorotoluene	93201	BDL	EPA 502	0.001	03/08/90
2967	m-dichlorobenzene	93201	BDL	EPA 502	0.001	03/08/90
2968	o-dichlorobenzene	93201	BDL	EPA 502	0.001	03/08/90
2978	1,1-dichloroethane	93201	BDL	EPA 502	0.001	03/08/90
2979	trans-1,2-dichloro-ethylene	93201	BDL	EPA 502	0.001	03/08/90
2983	1,2-dichloropropane	93201	BDL	EPA 502	0.001	03/08/90
2985	1,1,2-trichloroethane	93201	BDL	EPA 502	0.001	03/08/90
2986	1,1,1,2-tetrachloro-ethane	93201	BDL	EPA 502	0.001	03/08/90
2988	1,1,2,2-tetrachloro-ethane	93201	BDL	EPA 502	0.001	03/08/90
2989	Chlorobenzene	93021	BDL	EPA 502	0.001	03/08/90
2991	Toluene	93021	BDL	EPA 503	0.001	03/08/90
2992	Ethylbenzene	93021	BDL	EPA 503	0.001	03/08/90
2993	Bromobenzene	93021	BDL	EPA 502	0.001	03/08/90
2995	m-xylene	93021	BDL	EPA 503	0.001	03/08/90
2996	Styrene	93021	BDL	EPA 503	0.001	03/08/90
2997	o-xylene	93021	BDL	EPA 503	0.001	03/08/90

* BDL = Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 93021
Date Reported: 04/18/90

Southern States Utilities
Lab No. 93021
Public I.D.# 2164406
Cobblestone

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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	93021	BDL	EPA 502	0.001	03/08/90
2212	Dichlorodifluoro-methane	93021	BDL	EPA 502	0.001	03/08/90
2214	Bromomethane	93021	BDL	EPA 502	0.001	03/08/90
2216	Chloroethane	93021	BDL	EPA 502	0.001	03/08/90
2218	Trichlorofluoromethane	93021	BDL	EPA 502	0.001	03/08/90
2224	trans-1,3-dichloro-propene	93021	BDL	EPA 502	0.001	03/08/90
2228	cis-1,3-dichloro-propene	93021	BDL	EPA 502	0.001	03/08/90
2251	Methyl-tert-butyl-ether	93021	BDL	EPA 502	0.001	03/08/90
2380	cis-1,2-dichloroethene	93021	BDL	EPA 502	0.001	03/08/90
2408	Dibromomethane	93021	BDL	EPA 502	0.001	03/08/90
2410	1,1-dichloropropene	93021	BDL	EPA 502	0.001	03/08/90
2412	1,3-dichloropropane	93021	BDL	EPA 502	0.001	03/08/90
2414	1,2,3-trichloropropane	93021	BDL	EPA 502	0.001	03/08/90
2416	2,2-dichloropropane	93021	BDL	EPA 502	0.001	03/08/90
2931	1,2-dibromo-3-chloro-propane	93021	BDL	EPA 504	0.001	03/08/90
2941	Chloroform	93021	0.008	EPA 502	0.001	03/08/90
2942	Bromoform	93021	BDL	EPA 502	0.001	03/08/90
2943	Bromodichloromethane	93021	0.007	EPA 502	0.001	03/08/90
2944	Dibromochloromethane	93021	0.004	EPA 502	0.001	03/08/90

BDL = Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 93021
Report Date: 04/18/90

Southern States Utilities
Lab No. 93021
Public I.D.# 2164406
Cobblestone

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204

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

Parameter ID	NAME	Sample Number	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used, mg/l	Analysis Date
2042	Hexachlorocyclo-pentadiene	93021	BDL	EPA 625	0.010	03/15/90
2063	Dioxin	93021	BDL	EPA 625	0.010	03/15/90
2262	Isophorone	93021	BDL	EPA 625	0.010	03/15/90
2270	2,4-dinitrotoluene	93021	BDL	EPA 625	0.010	03/15/90
2282	Dimethylphthalate	93021	BDL	EPA 625	0.010	03/15/90
2284	Diethylphthalate	93021	BDL	EPA 625	0.010	03/15/90
2290	Di-n-butylphthalate	93021	BDL	EPA 625	0.010	03/15/90
2294	Butyl benzyl phthalate	93021	BDL	EPa 625	0.010	03/15/90
2298	Bis(2-ethylhexyl)-phthalate	93021	BDL	EPA 625	0.010	03/15/90
2378	1,2,4-trichlorobenzene	93021	BDL	EPA 625	0.010	03/15/90
2388	PCB-1016	93021	BDL	EPA 625	0.050	03/15/90
2390	PCB-1221	93021	BDL	EPA 625	0.050	03/15/90
2392	PCB-1232	93021	BDL	EPA 625	0.050	03/15/90
2394	PCB-1242	93021	BDL	EPA 625	0.050	03/15/90
2396	PCB-1248	93021	BDL	EPA 625	0.050	03/15/90
2398	PCB-1254	93021	BDL	EPA 625	0.050	03/15/90
2400	PCB-1260	93021	BDL	EPA 625	0.050	03/15/90
9089	Dioctylphthalate	93021	BDL	EPA 625	0.010	03/15/90

Lab. Certification #82145
Lab./Sample No.: 93021
Date Reported: 04/12/90

Southern States Utilities
Lab No. 93021
Public I.D. # 2164406
Cobblestone

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204

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	93021	BDL	EPA 625	0.010	03/15/90
9112	2-methyl-4,6-dinito-phenol	93021	BDL	EPA 625	0.050	03/15/90
9115	Phenol	93021	BDL	EPA 625	0.010	03/15/90
9116	2,4,6-trichloro-phenol	93021	BDL	EPA 625	0.030	03/15/90

Comments: BDL = Below Detection Limit

Laboratory Certification #82145
Lab./Sample No.: 93021
Date Reported: 04/12/90

Southern States Utilities
Lab No: 93021
Public I.D.# 2164406
Cobblestone

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204

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	93021		< 0.0002	EPA 505	0.0002	03/15/90
2010	Lindane	93021		< 0.0002	EPA 505	0.0002	03/15/90
2015	Methoxychlor	93021		< 0.001	EPA 505	0.001	03/15/90
2020	Toxaphene	93021		< 0.005	EPA 505	0.005	03/15/90
2105	2,4-D	93021		< 0.001	EPA 515	0.001	04/03/90
2110	2,4,5-TP (Silvex)	93021		< 0.001	EPA 515	0.001	04/03/90

Comments:

Lab. Certification #82145
Lab./Sample No.: 93021
Date Reported: 04/12/90

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SOUTHERN STATES UTILITIES (Customer's Name)
Public Water System I.D. Number: 2164406
Public Water System Name: Cobblestone
Public Water System Type (check one): (XX) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(Secondary Chemical ( )Radiological ( )Unregulated Organic Purgeable
(XX)Unregulated Organic Pesticide)Unregulated Base Neutral Extractable
( )Unregulated Acid Extractable
Subcontracted Lab Certification Number (if any): FDHRS #82135, ABC Research

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): February 26, 1990
Laboratory Sample Number(s): 93021 SUPPLEMENTAL REPORT
Sample Location (be specific): Plant Tap
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw (XX)Regular Distribution ( )Well (XX)Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Tile: Mike Akers - Operator
Sampler's Company: Southern States Utilities
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): EPA 504 and EPA 505 - 03/01/90, EPA 515 - 03/06/90
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(Secondary Chemical ( )Radiological ( )Unregulated Organic Purgeable
(XX)Unregulated Organic Pesticide ( )Unregulated Base Neutral Extractable
( )Unregulated Acid Extractable

I DO HEREBY CERTIFY THAT ALL DATA SUBMITTED ARE CORRECT.

Walter Mock
Laboratory Director
TECHNICAL SERVICES, INC.

Date: May 15, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SOUTHERN STATES UTILITIES
LABORATORY NUMBER 93021 SUPPLEMENTAL REPORT
COBBLESTONE

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2031	Dalapon	93021		BDL	EPA 515	0.05	04-03-90
2036	Oxamyl (Vydate)	93021		BDL	EPA 531	0.02	03-14-90
2037	Simazine	93021		BDL	EPA 505	0.01	03-15-90
2040	Picloram	93021		BDL	EPA 515	0.05	04-03-90
2041	Dinoseb	93021		BDL	EPA 515	0.05	04-03-90
2043	Aldicarb sulfoxide	93021		BDL	EPA 531	0.02	03-14-90
2044	Aldicarb sulfone	93021		BDL	EPA 531	0.02	03-14-90
2045	Metolachlor	93021		BDL	EPA 505	0.001	03-15-90
2046	Carbofuran	93021		BDL	EPA 531	0.02	03-14-90
2047	Aldicarb	93021		BDL	EPA 531	0.02	03-14-90
2050	Atrazine	93021		BDL	EPA 505	0.01	03-15-90
2051	Alachlor (Lasso)	93021		BDL	EPA 505	0.001	03-15-90
2065	Heptachlor	93021		BDL	EPA 505	0.0001	03-15-90
2356	Aldrin	93021		BDL	EPA 505	0.0001	03-15-90
2364	Dieldrin	93021		BDL	EPA 505	0.0001	03-15-90
2440	Dicamba	93021		BDL	EPA 515	0.05	04-03-90
2959	Chlordane	93021		BDL	EPA 505	0.001	03-15-90
2326	Pentachlorophenol	93021		BDL	EPA 515	0.05	04-03-90

Comments: BDL - Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 93021
Date Reported: May 15, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number: 2164406
Public Water System Name: Cobblestone
Public Water System Type (check one): (XX) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane XX)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): July 18, 1990
Laboratory Sample Number(s): 95013
Sample Location (be specific): WELL
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution (XX)Well ( )Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Tile: Mr. Tony Colucci, Operator
Sampler's Company: SSU Services
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): July 23, 1990
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (XX)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.

Walter Mock
Laboratory Director
TECHNICAL SERVICES, INC.

Date: August 7, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

...ERVICES
...RATORY NUMBER 95013
...MILESTONE

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWSO27)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWSO28)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946	Ethylene dibromide	95013		BDL	504	0.00001	07-24-90
2969	Para--dichlorobenzene	95013		BDL	502.1	0.001	07-19-90
2976	Vinyl chloride	95013		BDL	502.1	0.001	07-19-90
2977	1,1-dichloroethene	95013		BDL	502.1	0.001	
2980	1,2-dichloroethane	95013		BDL	502.1	0.001	07-19-90
2981	1,1,1-trichloroethane	95013		BDL	502.1	0.001	07-19-90
2982	Carbon tetrachloride	95013		BDL	502.1	0.001	07-19-90
2984	Trichloroethene	95013		BDL	502.1	0.001	07-19-90
2987	Tetrachloroethene	95013		BDL	502.1	0.001	07-19-90
2990	Benzene	95013		BDL	502.1	0.001	07-19-90

Comments: BDL - Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 95013
Date Reported: August 7, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES, INC. (Customer's Name)
Public Water System I.D. Number: 2164406
Public Water System Name: COBBLESTONE
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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): FDHRS #87239, Controls for Environmental Pollution

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): October 17, 1990
Laboratory Sample Number(s): 96350
Sample Location (be specific): Cobblestone Water Plant, Well #1
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution (XX)Well ( )Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Tile: Mr. Charles S. Fender
Sampler's Company: SSU Services, Inc.
Sampler's Phone Number: (904) 744-4188

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): EDB - 10/22/90
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)Volatile Organic ( )Organic Chemical
(Secondary Chemical (X)Radiological ( )Unregulated Organic Purgeable
( )Unregulated Organic Pesticide ( )Unregulated Base Neutral Extractable
( )Unregulated Acid Extractable

I DO HEREBY CERTIFY THAT ALL DATA SUBMITTED ARE CORRECT.

Walter Mock
Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 15, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (X)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES
LABORATORY NUMBER 96350
COBBLESTONE

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWSO27)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWSO28)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946	Ethylene dibromide	96350		BDL*	504	0.00001	11-02-90
2969	Para--dichlorobenzene	96350		BDL	502.2	0.001	10-29-90
2976	Vinyl chloride	96350		BDL	502.2	0.001	10-29-90
2977	1,1-dichloroethene	96350		BDL	502.2	0.001	10-29-90
2980	1,2-dichloroethane	96350		BDL	502.2	0.001	10-29-90
2981	1,1,1-trichloroethane	96350		BDL	502.2	0.001	10-29-90
2982	Carbon tetrachloride	96350		BDL	502.2	0.001	10-29-90
2984	Trichloroethene	96350		BDL	502.2	0.001	10-29-90
2987	Tetrachloroethene	96350		BDL	502.2	0.001	10-29-90
2990	Benzene	96350		BDL	502.2	0.001	10-29-90

Comments: * BDL - Below Detection Limit

Lab. Certification #82145
Lab./Sample No.: 96350
Date Reported: November 15, 1990

SSU SERVICES, INC.
LABORATORY NUMBER 96350
COBBLESTONE

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID	NAME	Sampler Number	Analysis Result (pCi/L)	Analytical Method	Analysis Error	Analysis Date
4000	Gross alpha excl. radon and uranium	Not Applicable				
4002*	Gross alpha incl. uranium	96350	0	SM 703	± 2	11-08-90
4004	Radon	Not Applicable				
4006	Total Uranium	Not Applicable				
4007	Uranium-234	Not Applicable				
4008	Uranium-235	Not Applicable				
4009	Uranium-238	Not Applicable				
4010	Total Radium	Not Applicable				
4012	Photon emitters	Not Applicable				
4020	Radium-226	Not Applicable				
4030	Radium-228	Not Applicable				
4100	Gross beta	Not Applicable				
4101	Man-made beta and photon emitters	Not Applicable				
4102	Tritium	Not Applicable				
4142	Cobalt-60	Not Applicable				
4172	Strontium-89	Not Applicable				
4174	Strontium-90	Not Applicable				
4264	Iodine-131	Not Applicable				
4270	Cesium-134	Not Applicable				
4276	Cesium-137	Not Applicable				

Lab. Certification #82145
Lab./Sample No.: 96350
Date Reported: November 15, 1990

*Subcontracting Lab #87239

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name Cobble Shore 2/14/91
Public Water System Type (check one):
( )Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyze 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 16312
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 2/25/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () 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	16312	.00002	<0.000005	EPA504.1	.000005	2/22/91
2969	Para-dichlorobenzene	16312	.075	<0.001	EPA502.2	0.001	2/22/91
2976	Vinyl chloride	16312	0.001	<0.001	EPA502.2	0.001	2/22/91
2977	1,1-dichloroethene	16312	0.007	<0.001	EPA502.2	0.001	2/22/91
2980	1,2-dichloroethane	16312	0.003	<0.001	EPA502.2	0.001	2/22/91
2981	1,1,1-trichloroethane	16312	0.2	<0.001	EPA502.2	0.001	2/22/91
2982	Carbon tetrachloride	16312	0.003	<0.001	EPA502.2	0.001	2/22/91
2984	Trichloroethene	16312	0.003	<0.001	EPA502.2	0.001	2/22/91
2987	Tetrachloroethene	16312	0.003	<0.001	EPA502.2	0.001	2/22/91
2990	Benzene	16312	0.001	<0.001	EPA502.2	0.001	2/22/91

Comments:

CHEMICAL LABORATORIES INCORPORATED

FDER Lab E82018
FDHRS Lab 83138
NCDEHNR Lab 248
SCDHEC Lab 96018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

Attn: Chuck Feild

(1)Client	(2)Address	(3)Phone
SSU Service	5710 Beaverdale Rd Jacksonville FL 32211	904 744-4158

(4)Public Drinking Water ID # | (5)Public Water System Name:

(6)Project # | (8)Public Water System Type

(7)PO# | ( ) Community ( ) Non-Community ( ) Special Non-Community

(9)	Preservative			Plastic Containers						Glass Containers						
		HNO3	ZnOAc/NaOH		60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L
12											X					

NOTES:
6 Wells
2 Samples

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

(10)Kit Relinquished:	(10)Date	(11)Kit Received	(11)Date
Stephen D Nichols	(10)Time		(11)Time

(12) SAMPLE INFORMATION; SAMPLE DATE: MONTH 02 DATE 14 YEAR 91
SAMPLE TYPE (check all applicable); ( ) check, ( ) regular distribution
( ) composite, ( ) clerance, ( ) max residence time, ( ) plant tap,
( ) raw, (4 well, ( ) resample _____, ( ) special _____
SAMPLER'S NAME: Charles Sp Foulk TITLE: Operator PHONE: 744-4158
SAMPLER'S SIGNATURE: Charles S Foulk
NOTES: The Names + #'s of pltys are: 16312 comp. { Woodmere — 216 1278 2 wells; Beacon Hills — 21690064 2 wells; Cobble Stone — 2164406 1 well
16313 by itself Remington Forest — 2534361 1 well

Le Kits

(13)Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volitile Organic__; Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Purgeable__; Unregulated Organic Pesticide__; Unregulated Base Neutral Extractable__; Unregulated Acid Extractable__

(14)Laboratory Number	(15)Client Sample Identification	
~~16311~~	#1	
~~16312~~	#2 ~~Woodmere / Cobblestone / Beacon Hills~~	
~~16313~~	#3 ~~Beacon Hills / Cobblestone / Woodmere~~	
16312	#4 Woodmere / Cobblestone / Beacon Hills	PO# 23171
16313	#5 Remington Forest	PO#
	#6	
	#7	
	#8	
	#9	
	#10	

		Date	Time
(16)Collectors Signature:			
(17)Transporters Signature:		2/15/91	2110
(19)Lab Acceptance By:			

0257

OVER FOR INSTRUCTIONS FOR COMPLETION

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES, INC. (Customer's Name)
Public Water System I.D. Number: 2164406
Public Water System Name: Cobblestone Water Treatment Plant
Public Water System Type (check one): (XX) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #E2145
Parameter Groups Analyzed: (XX)Turbidity (XX)Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(XX)Secondary Chemical ( )Radiological ( )Unregulated Organic Purgeable
( )Unregulated Organic Pesticide)Unregulated Base Neutral Extractable
( )Unregulated Acid Extractable
Subcontracted Lab Certification Number (if any): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): September 25, 1990
Laboratory Sample Number(s): 96021-1
Sample Location (be specific): Finished Water
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution ( )Well ( )Plant Tap
( )Maximum Residence Time ( )Composite ( )Resample
( )Special
Sampler's Name & Title: Steven W. Lipham, Sampling Technician
Sampler's Company: Technical Services, Inc.
Sampler's Phone Number: (904) 353-5761

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): Not Applicable
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: XXXTurbidity XXXInorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
XXSecondary 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.

Joanna C. Burden
Laboratory Director
TECHNICAL SERVICES, INC.

Date: December 14, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

TRIPLICOM Services, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

SSU SERVICES, INC.
LABORATORY NUMBER 96021-1
COBBLESTONE WATER TREATMENT PLANT
FINISHED WATER

TURBIDITY ANALYSIS
17-550.310(3)
(PWSO26)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100	Turbidity	96021-1		2.6	EPA180.1	09-25-90

Comments

INORGANIC ANALYSIS
17-550.310(1)
(PWSO30)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005	Arsenic	96021-1		<0.005	EPA206.3	0.005	10-02-90
1010	Barium	96021-1		<0.5	EPA208.1	0.5	10-11-90
1015	Cadmium	96021-1		<0.001	EPA213.2	0.001	10-01-90
1020	Chromium	96021-1		<0.01	EPA218.2	0.01	10-02-90
1025	Fluoride	96021-1		1.07	EPA340.2	0.1	09-28-90
1030	Lead	96021-1		0.006	EPA239.2	0.005	10-11-90
1035	Mercury	96021-1		<0.0002	EPA245.1	0.0002	09-29-90
1040	Nitrate (as N)	96021-1		0.07	EPA353.2	0.02	09-28-90
1045	Selenium	96021-1		<0.005	EPA270.3	0.005	10-17-90
1050	Silver	96021-1		<0.03	EPA272.1	0.03	09-27-90
1052	Sodium	96021-1		19.5	EPA273.1	1.0	10-05-90

Comments:

Lab. Certification #82145
Lab./Sample No.: 96021-1
Date Reported: December 14, 1990

SSU SERVICES, INC.
LABORATORY NUMBER 96021-1
COBBLESTONE WATER TREATMENT PLANT
FINISHED WATER

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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	96021-1		82.2	EPA215.1	0.20	09-28-90
1017 Chloride	96021-1		37.0	SM 407A	0.25	10-01-90
1019*Carbonate $CaCO_3$	Not Applicable					
1021*Hydroxide $CaCO_3$	Not Applicable					
1022 Copper	96021-1		<0.03	EPA220.1	0:03	10-01-90
1023*Bicarbonate $CaCO_3$	Not Applicable					
1025 Fluoride	Please enter as a primary on screen PWS030					
1026*Bicarbonate HCO_3	Not Applicable					
1027*Hydrogen Sulfide	Not Applicable					
1028 Iron	96021-1		0.744	EPA236.1	0.03	10-04-90
1031*Magnesium	Not Applicable					
1032 Manganese	96021-1		<0.025	EPA243.1	0.025	10-06-90
1055 Sulfate	96021-1		125	EPA375.4	1.0	10-02-90
1095 Zinc	96021-1		0.099	EPA289.1	0.02	10-03-90
1901 Carbon Dioxide	96021-1		9	SM 406A	0.1	10-10-90
1905 Color (Color Units)	96021-1		5	SM 204A	5	09-25-90
1915*Total Hardness	Not Applicable					
1917*NCH as $CaCO_3$	Not Applicable					

*OPTIONAL - NOT REQUIRED BY RULE

Lab. Certification #82145
Lab./Sample No.: 96021-1
Date Reported:December 14, 1990

SSU SERVICES, INC.
LABORATORY NUMBER 96021-1
COBBLESTONE WATER TREATMENT PLANT
FINISHED WATER

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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
1920	Odor (Total Odor Number)	96021-1		No Odor Observed	SM 207	1	09-25-90
1924	Field pH (Units)	96021-1		7.45	EPA150.1	0.1	09-25-90
1925*	Lab pH (Units)	96021-1		7.56	EPA150.1	0.1	09-26-90
1926	Field Conductivity umhos/cm	96021-1		610	EPA120.1	2	09-25-90
1927*	Total Alkalinity	96021-1		138	SM 403	0.2	09-26-90
1930	TDS	96021-1		412	EPA160.1	1	09-25-90
1931	Phenolphtalien Alk.	96021-1		0	SM 403	0.05	09-26-90
1996	Field Temp. (°C)	96021-1		24.2	EPA170.1	1	09-25-90
1997	Langelier Index pHs	96021-1		7.35	SM 203	0.05	10-10-90
1998*	Saturation Index	96021-1		+0.10	SM 203	0.05	10-10-90
1999*	Stability Index	Not Applicable					
2909	Foaming Agents	96021-1		0.036	EPA425.1	0.025	10-11-90
9996	Field DO	96021-1		5.2	SM 421F	0.1	09-25-90
9997*	Field Chlorine	Not Applicable					

Comments:

*OPTIONAL - NOT REQUIRED BY RULE

Lab. Certification #82145
Lab./Sample No.: 96021-1
Date Reported: December 14, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES (Customer's Name)
Public Water System I.D. Number: 2164406
Public Water System Name: Cobblestone Water Treatment Plant
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): September 25, 1990
Laboratory Sample Number(s): 96021-2
Sample Location (be specific): WELL #1
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution (X)Well ( )Plant Tap
( )Maximum Residence Time (X)Composite ( )Resample
( )Special
Sampler's Name & Tile: Steven W. Lipham, Sampling Technician
Sampler's Company: Technical Services, Inc.
Sampler's Phone Number: (904) 353-5761

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): EDB and DBCP - 10/01/90
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)No
Analyses Submitted: ( )Turbidity ( )Inorganic ( )Trihalomethane (X)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.

Laboratory Director
TECHNICAL SERVICES, INC.

Date: October 22, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

SSU SERVICES
LABORATORY NUMBER 96021-2
COBBLESTONE WATER TREATMENT PLANT
WELL #1

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

TRIHALOMETHANE ANALYSIS
17-550.310(2)(c)
(PWSO27)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
Potential THM		Not Applicable					
2950	TTHM	Not Applicable					

Comments:

VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWSO28)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2946	Ethylene dibromide	96021-2		BDL	504	0.00001	10-01-90
2969	Para--dichlorobenzene	96021-2		BDL	502.2	0.001	09-26-90
2976	Vinyl chloride	96021-2		BDL	502.2	0.001	09-26-90
2977	1,1-dichloroethene	96021-2		BDL	502.2	0.001	09-26-90
2980	1,2-dichloroethane	96021-2		BDL	502.2	0.001	09-26-90
2981	1,1,1-trichloroethane	96021-2		BDL	502.2	0.001	09-26-90
2982	Carbon tetrachloride	96021-2		BDL	502.2	0.001	09-26-90
2984	Trichloroethene	96021-2		BDL	502.2	0.001	09-26-90
2987	Tetrachloroethene	96021-2		BDL	502.2	0.001	09-26-90
2990	Benzene	96021-2		BDL	502.2	0.001	09-26-90

Comments:

Lab. Certification #82145
Lab./Sample No.: 96021-2
Date Reported: October 22, 1990

SSU SERVICES
LABORATORY NUMBER 96021-2
COBBLESTONE WATER TREATMENT PLANT
WELL #1

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWSO34)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2210	Chloromethane	96021-2		BDL	502.2	0.001	09-26-90
2212	Dichlorodifluoro-methane	96021-2		BDL	502.2	0.001	09-26-90
2214	Bromomethane	96021-2		BDL	502.2	0.001	09-26-90
2216	Chloroethane	96021-2		BDL	502.2	0.001	09-26-90
2218	Trichlorofluoromethane	96021-2		BDL	502.2	0.001	09-26-90
2224	trans-1,3-dichloro-propene	96021-2		BDL	502.2	0.001	09-26-90
2228	cis-1,3-dichloro-propene	96021-2		BDL	502.2	0.001	09-26-90
2251	Methyl-tert-butyl-ether	96021-2		BDL	502.2	0.001	09-26-90
2380	cis-1,2-dichloroethene	96021-2		BDL	502.2	0.001	09-26-90
2408	Dibromomethane	96021-2		BDL	502.2	0.001	09-26-90
2410	1,1-dichloropropene	96021-2		BDL	502.2	0.001	09-26-90
2412	1,3-dichloropropane	96021-2		BDL	502.2	0.001	09-26-90
2414	1,2,3-trichloropropane	96021-2		BDL	502.2	0.001	09-26-90
2416	2,2-dichloropropane	96021-2		BDL	502.2	0.001	09-26-90
2931	1,2-dibromo-3-chloro-propane	96021-2		BDL	502.2	0.001	09-26-90
2941	Chloroform	96021-2		BDL	502.2	0.001	09-26-90
2942	Bromoform	96021-2		BDL	502.2	0.001	09-26-90
2943	Bromodichloromethane	96021-2		BDL	502.2	0.001	09-26-90
2944	Dibromochloromethane	96021-2		BDL	502.2	0.001	09-26-90

Lab. Certification #82145
Lab./Sample No.: 96021-2
Report Date: October 22, 1990

SSU SERVICES
LABORATORY NUMBER 96021-2
COBBLESTONE WATER TREATMENT PLANT
WELL #1

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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
2962	p-xylene	96021-2		BDL	502.2	0.001	09-26-90
2964	Methylene chloride	96021-2		BDL	502.2	0.001	09-26-90
2965	o-chlorotoluene	96021-2		BDL	502.2	0.001	09-26-90
2966	p-chlorotoluene	96021-2		BDL	502.2	0.001	09-26-90
2967	m-dichlorobenzene	96021-2		BDL	502.2	0.001	09-26-90
2968	o-dichlorobenzene	96021-2		BDL	502.2	0.001	09-26-90
2978	1,1-dichloroethane	96021-2		BDL	502.2	0.001	09-26-90
2979	trans-1,2-dichloro-ethylene	96021-2		BDL	502.2	0.001	09-26-90
2983	1,2-dichloropropane	96021-2		BDL	502.2	0.001	09-26-90
2985	1,1,2-trichloroethane	96021-2		BDL	502.2	0.001	09-26-90
2986	1,1,1,2-tetrachloro-ethane	96021-2		BDL	502.2	0.001	09-26-90
2988	1,1,2,2-tetrachloro-ethane	96021-2		BDL	502.2	0.001	09-26-90
2989	Chlorobenzene	96021-2		BDL	502.2	0.001	09-26-90
2991	Toluene	96021-2		BDL	502.2	0.001	09-26-90
2992	Ethylbenzene	96021-2		BDL	502.2	0.001	09-26-90
2993	Bromobenzene	96021-2		BDL	502.2	0.001	09-26-90
2995	m-xylene	96021-2		BDL	502.2	0.001	09-26-90
2996	Styrene	96021-2		BDL	502.2	0.001	09-26-90
2997	o-xylene	96021-2		BDL	502.2	0.001	09-26-90

Lab. Certification #82145
Lab./Sample No.: 96021-2
Date Reported: October 22, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES, INC. (Customer's Name)
Public Water System I.D. Number: 2164406
Public Water System Name: CORBLESTONE WATER TREATMENT PLANT
Public Water System Type (check one): (X) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: (X)Turbidity (X)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): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): November 7, 1990
Laboratory Sample Number(s): 96733-1
Sample Location (be specific): Finished Water
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution ( )Well ( )Plant Tap
( )Maximum Residence Time ( )Composite (X)Resample
( )Special
Sampler's Name & Tile: Charles S. Fender
Sampler's Company: SSU Services, Inc.
Sampler's Phone Number: (904) 743-1888

ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): Not Applicable
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (X)No
Analyses Submitted: (X)Turbidity ( )Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(XSecondary 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.

Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 15, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (X)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

SSU SERVICES, INC.
LABORATORY NUMBER 96733-1
COQUINA COAST WATER TREATMENT PLANT
11-07-90

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100	Turbidity	96733-1		0.45	EPA180.1	11-09-90

Comments

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 Applicable					
1010	Barium	Not Applicable					
1015	Cadmium	Not Applicable					
1020	Chromium	Not Applicable					
1025	Fluoride	Not Applicable					
1030	Lead	Not Applicable					
1035	Mercury	Not Applicable					
1040	Nitrate (as N)	Not Applicable					
1045	Selenium	Not Applicable					
1050	Silver	Not Applicable					
1052	Sodium	Not Applicable					

Comments:

Lab. Certification #82145
Lab./Sample No.: 96733-1
Date Reported: November 15, 1990

SSU SERVICES, INC.
LABORATORY NUMBER 96733-1
COBBLESTONE WATER TREATMENT PLANT
11-07-90

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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 Applicable					
1017 Chloride	Not Applicable					
1019*Carbonate $CaCO_3$	Not Applicable					
1021*Hydroxide $CaCO_3$	Not Applicable					
1022 Copper	Not Applicable					
1023*Bicarbonate $CaCO_3$	Not Applicable					
1025 Fluoride	Please enter as a primary on screen PWS030					
1026*Bicarbonate HCO_3	Not Applicable					
1027*Hydrogen Sulfide	Not Applicable					
1028 Iron	96733-1		0.080	EPA236.1	0.03	11-14-90
1031*Magnesium	Not Applicable					
1032 Manganese	Not Applicable					
1055 Sulfate	Not Applicable					
1095 Zinc	Not Applicable					
1901 Carbon Dioxide	Not Applicable					
1905 Color (Color Units)	Not Applicable					
1915*Total Hardness	Not Applicable					
1917*NCH as $CaCO_3$	Not Applicable					

*OPTIONAL - NOT REQUIRED BY RULE

Lab. Certification #82145
Lab./Sample No.: 96733-1
Date Reported: November 15, 1990

TECHNICAL SERVICES, INC.
PUBLIC DRINKING WATER ANALYSIS REPORTING

PUBLIC WATER SYSTEM INFORMATION - SSU SERVICES, INC. (Customer's Name)
Public Water System I.D. Number: 2164406
Public Water System Name: COBBLESTONE WATER TREATMENT PLANT
Public Water System Type (check one): (XX) Community ( ) Non-Community ( ) Special Non-Community

PUBLIC CERTIFICATION INFORMATION:
Lab Certification Number: FDHRS #82145
Parameter Groups Analyzed: (XX)Turbidity (XX)Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(Secondary Chemical ( )Radiological ( )Unregulated Organic Purgeable
( )Unregulated Organic Pesticids)Unregulated Base Neutral Extractable
( )Unregulated Acid Extractable
Subcontracted Lab Certification Number (if any): Not Applicable

SAMPLE INFORMATION:
Sample Date (MM/DD/YY): November 8, 1990
Laboratory Sample Number(s): 96733-2
Sample Location (be specific): FINISHED WATER
Sample Type (check all applicable): ( )Check ( )Clearance ( )Raw ( )Regular Distribution ( )Well ( )Plant Tap
( )Maximum Residence Time ( )Composite (XX)Resample
( )Special
Sampler's Name & Tile: Charles S. Fender
Sampler's Company: SSU Services, Inc.
Sampler's Phone Number: (904) 743-1888
]
ANALYSIS INFORMATION:
Extraction Date (MM/DD/YY): Not Applicable
Laboratory Contact: Technical Services, Inc.'s receptionist will refer the caller to appropriate, responsible individual to provide the information requested. (904) 353-5761.
Resample Request: ( )Yes (XX)No
Analyses Submitted: (XX)Turbidity ( )Inorganic ( )Trihalomethane ( )Volatile Organic ( )Organic Chemical
(XSecondary 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.

James C Bender

Laboratory Director
TECHNICAL SERVICES, INC.

Date: November 15, 1990

Results mailed to appropriate DER and/or ACPHU Office by (check one): (XX)Customer ( )Technical Services, Inc.

DER Reviewing Official

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

ACPHU Reviewing Official

Sample Interpretation (Check one)
( )Satisfactory ( )Unsatisfactory

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

SSU SERVICES, INC.
LABORATORY NUMBER 96733-2
COBBLESTONE WATER TREATMENT PLANT
11-08-90

TURBIDITY ANALYSIS
17-550.310(3)
(PWSO26)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (NTU)	Analytical Method	Analysis Date
0100	Turbidity	96733-2		2.0	EPA180.1	11-09-90

Comments

INORGANIC ANALYSIS
17-550.310(1)
(PWSO30)

Parameter ID	NAME	Sample Number	Location Code	Analysis Result (mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1005	Arsenic	Not Applicable					
1010	Barium	Not Applicable					
1015	Cadmium	Not Applicable					
1020	Chromium	Not Applicable					
1025	Fluoride	Not Applicable					
1030	Lead	Not Applicable					
1035	Mercury	Not Applicable					
1040	Nitrate (as N)	Not Applicable					
1045	Selenium	Not Applicable					
1050	Silver	Not Applicable					
1052	Sodium	Not Applicable					

Comments:

Lab. Certification #02145
Lab./Sample No.: 96733-2
Date Reported: November 15, 1990

SSU SERVICES, INC.
LABORATORY NUMBER 96733-2
COBBLESTONE WATER TREATMENT PLANT
11-08-90

TECHNICAL SERVICES, INC.
2471 Swan Street
Jacksonville, Florida 32204
(904) 353-5761

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 Applicable					
1017 Chloride	Not Applicable					
1019*Carbonate $CaCO_3$	Not Applicable					
1021*Hydroxide $CaCO_3$	Not Applicable					
1022 Copper	Not Applicable					
1023*Bicarbonate $CaCO_3$	Not Applicable					
1025 Fluoride	Please enter as a primary on screen PWS030					
1026*Bicarbonate HCO_3	Not Applicable					
1027*Hydrogen Sulfide	Not Applicable					
1028 Iron	96733-2		0.069	EPA236.1	0.03	11-14-90
1031*Magnesium	Not Applicable					
1032 Manganese	Not Applicable					
1055 Sulfate	Not Applicable					
1095 Zinc	Not Applicable					
1901 Carbon Dioxide	Not Applicable					
1905 Color (Color Units)	Not Applicable					
1915*Total Hardness	Not Applicable					
1917*NCH as $CaCO_3$	Not Applicable					

*OPTIONAL - NOT REQUIRED BY RULE

Lab. Certification #82145
Lab./Sample No.: 96733-2
Date Reported: November 15, 1990

HRS
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 3 1 15 PM '91
RICHARD BERRY

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEN NAME: Cobble stone SYSTEN I.D. NO: 2764406 SYSTEN PHONE #: 744-4188
ADDRESS: McCormick Rd COUNTY: Duval DER DISTRICT: II
COLLECTOR: D Holcomb COLLECTOR PHONE #: 744-4188
SAMPLE SITE (Locality or Subdivision): Cobble stone
DATE AND TIME COLLECTED: 12/3/91 10:40Am - 11:10Am
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)
(Check Box) [ ] Distribution (Check Box) [ ] TNTC or C
[ ] Other [ ] Turbid
[ ]
REMARKS:

40

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB					
				ANALYSIS METHOD: MF ☐ NTE		MMO-MUG		PA	
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES*D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL*	CONFIRM TOTAL	CONFIRM FECAL
#1	Well #1 Raw	—	6.8	060174		A		
#2	Treated Blowoff Jupiter Hills	0.3	—	060175		A		
#3	Treated 12058 Spring Lane	0.5	—	060176		A		
#4	Treated Grand Shell Hamilton Hills	0.6	—	060177		A		
#5	Treated Amoco Gas Station	0.5	—	060178		A		
#6	Treated 12510 Cobblestone Cir	2.0	—	060179		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
P.O. Box 893
Jacksonville, Flo. 32239

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

REVIEWING OFFICIAL: Chris C. Carter
TITLE:

HRS

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 18 1 21 PM '91

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Cobblestone SYSTEM I.D. NO: 2167440 PERRY SYSTEM PHONE #: 744-4188
ADDRESS: McCormick Rd COUNTY: Duval DER DISTRICT: 2
COLLECTOR: Daniel P. Chanin COLLECTOR PHONE #: 744-4188
SAMPLE SITE (Locality or Subdivision): Cobblestone - Hillwood Blvd Country Club
DATE AND TIME COLLECTED: 12-18-91 10:00 A.M. - 10:50
TYPE OF SUPPLY(Circle one): (Community water system) Noncommunity water system Bantransient - noncommunity water system Private well Swimming pool Bottled water Other public water system
TYPE OF SAMPLE(Circle one): (Compliance) (Check one) [4 Distribution [ ] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other (Specify)
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: MF/		MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
4	Hillwood Pl. Bldg. #16	2.4		630[illegible]		A		
5	12451 Rushford Ln	2.8		630[illegible]		A		
6	12521 Turnberry DR.	2.5		630[illegible]		A		
7	Blow off. Stow-Lyon STRATFORD WAY	1.5		630[illegible]		A		
8	11981 Hillwood Cove Dr. S.	0.9		630[illegible]		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

(HRS Form 961, Jan 91 (Obsoletes previous editions which may not be used) (Stock Number: 0160-000-0961-0)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S S. U Services
P O Box 8931
Jax. FL 32239

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

REVIEWING OFFICIAL: Chris A. Carlton
TITLE:

Beecher's Point - 472

Putnam County (SSU)

Water

- 1992 FPSC Filing -

Beechers Point

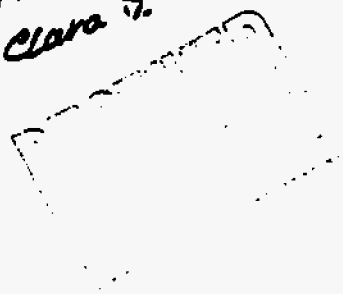
Chemical Analyses

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	9/91
Organic	1/89
Volatile Organic Chemicals	1/91
	4/91
	7/91
	10/91
Turbidity	1/89
Microbiological	12/91
Radionuclide	8/91
Secondary Contaminants	9/91
Unregulated Contaminants	1/91

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:

SAMPLE #	PLANTS INCLUDED IN SAMPLE	ID NUMBERS
# 1	Interlachen Lake Estates	2540545
	Park Manor	2540873
	Silver Lake Oaks	2544258
# 2	River Park # 1	2540962
	River Park # 2	2540963
	River Park # 3	2540964
	Wootens	2541280
# 3	Pomona Park	2540905
	Hermits Cove	2540482
	Palm Port	2540865
	River Grove	2540959
# 4	Beechers Point	2540070
	Welaka Mobile Home Park	2541242
	Saratoga Harbor	2541000
	St. Johns Highlands	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 4

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 4
Date Received: Jan30 1991 Lab Number : 16156

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16156
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

Jefferson S. Flowers, Ph.D.
481 Newport Dr
P.O. Box 140127
Altamonte Springs
Florida 32714-0597
Bus (407) 331-1484
Fax (407) 331-1484

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 4
Date Received: Jan30 1991 Lab Number : 16156

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16156
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

Jefferson S. Flowers, Ph.D.
Johnnye S. Flowers, Ph.D.
481 [illegible]
P.O. Box [illegible]
Alamonte Springs
Florida 32715-0597
Bus. [illegible]
Fax [illegible]

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For : 4
Date Received: Jan30 1991 Lab Number : 16156

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16156
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-trichloroethan	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-trichloropropa	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

Jefferson L. Flowers, PhD
Jefferson L. Flowers, PhD
481 NEWBURYPORT
P.O. BOX 150-327
ALTAMONTE SPRINGS
FLORIDA 32715-0327
BUS (407) 332-1254
FAX (407) 332-1254

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: 4
Date Received: Jan30 1991 Lab Number : 16156

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16156
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
Dioctylphthalate	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-dinitop	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

Jefferson S. Flowers, Ph.D.
Jefferson T. Flowers, Ph.D.
821 NEWPORT CIRCLE
P.O. BOX 1497
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 331-5784
FAX

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name Beechers
Public Water System Type (check one):
( )Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi Turbidity___;Inorganic___; Trihalomethane ___;
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_;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 16156
Sample Location (be specific): _____
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
( )Raw ( )Well ( )Resampl
( )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 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 Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/(() 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	16156	.00002	<0.000005	EPA504.1	.000005	2/19/91
2969	Para-dichlorobenzene	16156	.075	<0.001	EPA502.2	0.001	2/13/91
2976	Vinyl chloride	16156	0.001	<0.001	EPA502.2	0.001	2/13/91
2977	1,1-dichloroethene	16156	0.007	<0.001	EPA502.2	0.001	2/13/91
2980	1,2-dichloroethane	16156	0.003	<0.001	EPA502.2	0.001	2/13/91
2981	1,1,1-trichloroethane	16156	0.2	<0.001	EPA502.2	0.001	2/13/91
2982	Carbon tetrachloride	16156	0.003	<0.001	EPA502.2	0.001	2/13/91
2984	Trichloroethene	16156	0.003	<0.001	EPA502.2	0.001	2/13/91
2987	Tetrachloroethene	16156	0.003	<0.001	EPA502.2	0.001	2/13/91
2990	Benzene	16156	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	16156		<0.001	EPA502.2	0.001	2/13/91
2212	Dichlorodifluoromethane	16156		<0.001	EPA502.2	0.001	2/13/91
2214	Bromomethane	16156		<0.001	EPA502.2	0.001	2/13/91
2216	Chloroethane	16156		<0.001	EPA502.2	0.001	2/13/91
2218	Trichlorofluoromethane	16156		<0.001	EPA502.2	0.001	2/13/91
2224	trans-1,3,-dichloroprop	16156		<0.001	EPA502.2	0.001	2/13/91
2228	cis-1,3-dichloropropene	16156		<0.001	EPA502.2	0.001	2/13/91
2251	Methyl-tert-butylether	16156		<0.001	EPA502.2	0.001	2/13/91
2380	cis-1,2-dichloroethene	16156		<0.001	EPA502.2	0.001	2/13/91
2408	Dibromomethane	16156		<0.001	EPA502.2	0.001	2/13/91
2410	1,1-dichloropropene	16156		<0.001	EPA502.2	0.001	2/13/91
2412	1,3-dichloropropane	16156		<0.001	EPA502.2	0.001	2/13/91
2414	1,2,3-trichloropropane	16156		<0.001	EPA502.2	0.001	2/13/91
2416	2,2-dichloropropane	16156		<0.001	EPA502.2	0.001	2/13/91
2931	1,2-dibromo-3-chlorepr	16156		<0.001	EPA502.2	0.001	2/13/91
2941	Chloroform	16156		<0.001	EPA502.2	0.001	2/13/91
2942	Bromoform	16156		<0.001	EPA502.2	0.001	2/13/91
2943	Bromodichloromethane	16156		<0.001	EPA502.2	0.001	2/13/91
2944	Dibromochloromethane	16156		<0.001	EPA502.2	0.001	2/13/91
2962	p-xylene	16156		<0.001	EPA502.2	0.001	2/13/91
2964	Methylene chloride	16156		<0.001	EPA502.2	0.001	2/13/91
2965	o-chlorotoluene	16156		<0.001	EPA502.2	0.001	2/13/91
2966	p-chlorotoluene	16156		<0.001	EPA502.2	0.001	2/13/91
2967	m-dichlorobenzene	16156		<0.001	EPA502.2	0.001	2/13/91
2968	o-dichlorobenzene	16156		<0.001	EPA502.2	0.001	2/13/91
2978	1,1-dichloroethane	16156		<0.001	EPA502.2	0.001	2/13/91
2979	trans-1,2-dichloroethyl	16156		<0.001	EPA502.2	0.001	2/13/91
2983	1,2-dichloropropane	16156		<0.001	EPA502.2	0.001	2/13/91
2985	1,1,2-trichloroethane	16156		<0.001	EPA502.2	0.001	2/13/91
2986	1,1,1,2-tetrachloroetha	16156		<0.001	EPA502.2	0.001	2/13/91
2988	1,1,2,2-tetrachloroetha	16156		<0.001	EPA502.2	0.001	2/13/91
2989	Chlorobenzene	16156		<0.001	EPA502.2	0.001	2/13/91

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L	Analytical Method	Det.Limit Used	Analysis Date
2991	Toluene	16156		<0.001	EPA502.2	0.001	2/13/91
2992	Ethylbenzene	16156		<0.001	EPA502.2	0.001	2/13/91
2993	Bromobenzene	16156		<0.001	EPA502.2	0.001	2/13/91
2995	m-xylene	16156		<0.001	EPA502.2	0.001	2/13/91
2996	Styrene	16156		<0.001	EPA502.2	0.001	2/13/91
2997	o-xylene	16156		<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	16156		<0.000001	EPA515	.000001	2/21/91
2036	Oxamyl (Vydate)	16156		<0.002	EPA531	0.002	2/18/91
2037	Simazine	16156		<0.007	EPA505	0.007	2/21/91
2040	Picloram	16156		<0.00007	EPA515	0.00007	2/21/91
2041	Dinoseb	16156		<0.00001	EPA515	0.00001	2/21/91
2043	Aldicarb sulfoxide	16156		<0.002	EPA531	0.002	2/18/91
2044	Aldicarb sulfone	16156		<0.002	EPA531	0.002	2/18/91
2045	Metolachlor	16156		<0.0005	EPA505	0.0005	2/21/91
2046	Carbofuran	16156		<0.001	EPA531	0.001	2/18/91
2047	Aldicarb	16156		<0.002	EPA531	0.002	2/18/91
2050	Atrazine	16156		<0.002	EPA505	0.002	2/21/91
2051	Alachlor (Lasso)	16156		<0.0002	EPA505	0.0002	2/21/91
2065	Heptachlor	16156		<.000005	EPA508	.000005	2/21/91
2356	Aldrin	16156		<0.00007	EPA508	0.00007	2/21/91
2364	Dieldrin	16156		<0.00001	EPA508	0.00001	2/21/91
2440	Dicamba	16156		<0.00001	EPA515	0.00001	2/21/91
2959	Chlordane	16156		<0.00001	EPA508	0.00001	2/21/91
9114	Pentachlorophenol	16156		<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	Hexachlorocyclopentadie	16156		<0.001	EPA508	0.001	2/21/91
2063	Dioxin	16156		<0.00001	EPA613	0.00001	2/21/91
2262	Isophorone	16156		<0.001	EPA609	0.001	2/14/91
2270	2,4-dinitrotoluene	16156		<0.001	EPA609	0.001	2/14/91
2282	Dimethylphthalate	16156		<0.001	EPA606	0.001	2/14/91
2284	Diethylphthalate	16156		<0.001	EPA606	0.001	2/14/91
2290	Di-n-butylphthalate	16156		<0.001	EPA606	0.001	2/14/91
2294	Butyl benzyl phthalate	16156		<0.001	EPA606	0.001	2/14/91
2296	Bis(2-ethylhexyl)phthal	16156		<0.001	EPA606	0.001	2/14/91
2378	1,2,4-trichlorobenzene	16156		<0.001	EPA612	0.001	2/14/91
2388	PCB-1016	16156		<0.0001	EPA505	0.0001	2/21/91
2390	PCB-1221	16156		<0.0001	EPA505	0.0001	2/21/91
2392	PCB-1232	16156		<0.0001	EPA505	0.0001	2/21/91
2394	PCB-1242	16156		<0.0001	EPA505	0.0001	2/21/91
2396	PCB-1248	16156		<0.0001	EPA505	0.0001	2/21/91
2398	PCB-1254	16156		<0.0001	EPA505	0.0001	2/21/91

2400	PCB-1260	16156	<0.0001	EPA505	0.0001	2/21/91
9089	Dioctylphthalate	16156	<0.001	EPA606	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	16156		<0.001	EPA604	0.001	2/14/91
9112	2-methyl-4,6-dinitophe	16156		<0.001	EPA604	0.001	2/14/91
9115	Phenol	16156		<0.001	EPA604	0.001	2/14/91
9116	2,4,6-trichlorophenol	16156		<0.001	EPA604	0.001	2/14/91

Comments:

To: Jim Meyer, FGS

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:

SAMPLE #	PLANTS INCLUDED IN SAMPLE		ID. #
#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
	Woodlawn	#446	2541280
#3	Ramona 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)649-4111.

Thank you,

Paul D. Thompson

Lead Operator, Putnam County

SSH Operations

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
PO Box 458
PomonaPrk,FL 32181

Date Reported: Apr29 1991
PO Number: 891028
PO Number SSU Serv.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 4
Date Received: Apr17 1991 Lab Number : 16692

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16692
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-trichloroethan	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

Jefferson L. Flowers, PhD
Jefferson S. Flowers, PhD
481 NEWBURYPORT
P O BOX 150 597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339 5284
FAX (407) 260-6190

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name ___Beecher S
Public Water System Type (check one):
( )Commun ( )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 16692
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

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () 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	16692	.00002	<.000005	EPA504.1	.000005	4/26/91
2969	Para-dichlorobenzene	16692	.075	<0.001	EPA502.2	0.001	4/25/91
2976	Vinyl chloride	16692	0.001	<0.001	EPA502.2	0.001	4/25/91
2977	1,1-dichloroethene	16692	0.007	<0.001	EPA502.2	0.001	4/25/91
2980	1,2-dichloroethane	16692	0.003	<0.001	EPA502.2	0.001	4/25/91
2981	1,1,1-trichloroethane	16692	0.2	<0.001	EPA502.2	0.001	4/25/91
2982	Carbon tetrachloride	16692	0.003	<0.001	EPA502.2	0.001	4/25/91
2984	Trichloroethene	16692	0.003	<0.001	EPA502.2	0.001	4/25/91
2987	Tetrachloroethene	16692	0.003	<0.001	EPA502.2	0.001	4/25/91
2990	Benzene	16692	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 # : 91-07-477
Date Received: 07/31/91
Date Reported: 08/07/91
OLI Contact: L BALTZLEY

Work ID: Southern States Utilities
Samples collected by: Client
Total Samples: 2

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Composite #1	1COMP Composite Data For Samples
02 Method Blank	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 E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

John Hobbs
LABORATORY DIRECTOR

Eric Halarek
QUALITY CONTROL

Dedicated To Excellence

(407) 896-6645 (800) 826-8320 FAX (407) 898-6588

[illegible] LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

[illegible]

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Composite Data For Samples

SAMPLE # [illegible]
MATRIX WATER
TEST CODE [illegible]

NUMBER OF SAMPLES COMPOSITED:

	Sample Identification	Date and time
#1	Beechers Point	07/30/91 10:30
#2	Welaka NHP	07/30/91 10:30
#3	Saratoga Harbor	07/30/91 10:30
#4	St. Johns	07/30/91 10:30
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		

[illegible] LABORATORIES, INC.
[illegible]: 07/31/91

REPORT OF ANALYSIS
Results by Sample

[illegible] Order # [illegible]

SAMPLE ID Composite #1
DATE COLLECTED not specified
TEST NAME Volatile Organic Analysis

SAMPLE # [illegible]
MATRIX WATER
TEST CODE [illegible]

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	07/31/91
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:

[illegible] LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

[illegible] Order # [illegible]

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

SAMPLE#: [illegible]
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	[illegible] 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.

GC/MS VOLATILE ORGANICS

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-dichloroethene	50	0	35	70	39	78	11
trichloroethene	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-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

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

ORLANDO LABORATORIES, INC.
P.O. Box [illegible] Orlando FL [illegible]
(407) [illegible]

CHAIN-OF-CUSTODY RECORD
(INSTRUCTIONS ON BACK)

Page 4 of 5

1 SSU Services 1000 Color Place Apopka	2 CONTACT PERSON PHONE # INVOICE	3 OLI WORK ORDER # (LAB USE) 9107477
4 SSU Services PO Box 458 Pamona Park FL 32181	5 CONTACT PERSON PHONE # REPORT Paul Thompson 904-649-4143	6 RB NUMBER (LAB USE)
7		

8 CLIENT PROJECT NAME | 9 CLIENT PROJECT #

10 SAMPLE IDENTIFICATION	11 DATE TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	17 NUMBER OF CONTAINERS	18 REQUESTED ANALYSIS: VOCs	REMARKS 19
Beaches Pt (255002)	7/30/91 10:15			X			Well	8	X	
Webka Mill (254124)	7/30/91 10:30			X			Well	4	X	
Saratoga Harbor (254100)	7/30/91 10:30			X			Well	4	X	
St. Johns (254049)	7/30/91 10:30			X			Well	4	X	

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY
1st	Roy White	7/30/91 8:00	Ron Baugus
2nd	Ron Baugus	7/31 11:00	Deedee Homan
3rd			

20 ADDITIONAL REMARKS

21 COOLER #'s

27 SAMPLER'S SIGNATURE Roy White

WHITE - LAB
YELLOW - FILE
PINK - CLIENT

0295

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: _____
Public Water System Name: Beechers
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 (MMDDYY): 07/30/91
Laboratory Sample Number: 91-07-477
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 (MMDDYY): 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.

Mail Results to the Appropriate DER or ACPHU Office:

Signature _____

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date _____

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
P.O. Box 458
Pamona Park, FL 32181

Attn: Paul Thompson

Work Order # : 91-10-434
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	TEST CODES and NAMES used on this report
01 Composite #1	1COMP Composite Data For Samples
02 Method Blank	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

[illegible] LABORATORIES, INC. REPORT OF ANALYSIS Work Order # [illegible]
Reported: 10/30/91 Results by Sample

SAMPLE ID Composite #1 _____
DATE COLLECTED not specified
TEST NAME Composite Data For Samples

ANAL # [illegible]
MATRIX WATER
TEST TYPE [illegible]

NUMBER OF SAMPLES COMPOSITED:

	Sample Identification	Date and time
#1	BEECHERS POINT #1 & #2	10/30/91 11:30
#2	WELAKA MOBILE HOME PARK #3	10/30/91 11:40
#3	SARATOGA HARBOR #4	10/30/91 11:45
#4	ST. JOHNS HIGHLANDS #5	10/30/91 10:50
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		

[illegible] LABORATORIES, INC.
Received: 10/30/91

REPORT OF ANALYSIS
Results by Sample

[illegible]

SAMPLE ID: Composite #1
DATE COLLECTED: not specified
TEST NAME: Volatile Organic Analysis

SAMPLE #: [illegible]
MATRIX: [illegible]
TEST CODE: [illegible]

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	[illegible]
2946	Ethylene dibromide			<0.00002	EPA 504	0.00002	[illegible]
2959	Paradichlorobenzene			<0.0005	EPA 524	0.0005	[illegible]
2976	Vinyl Chloride			<0.0005	EPA 524	0.0005	[illegible]
2977	1,1-Dichloroethene			<0.0005	EPA 524	0.0005	[illegible]
2980	1,2 Dichloroethane			<0.0005	EPA 524	0.0005	[illegible]
2981	1,1,1-Trichloroethane			<0.0005	EPA 524	0.0005	[illegible]
2982	Carbon Tetrachloride			<0.0005	EPA 524	0.0005	[illegible]
2984	Trichloroethene			<0.0005	EPA 524	0.0005	[illegible]
2987	Tetrachloroethene			<0.0005	EPA 524	0.0005	[illegible]
2990	Benzene			<0.0005	EPA 524	0.0005	[illegible]

Comments:

[illegible] LABORATORIES, INC.
Received: 10/30/91

REPORT OF ANALYSIS
Results by Sample

[illegible]

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

SAMPLE # [illegible]
MATRIX [illegible]
TEST CODE [illegible]

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

Parameter ID	Name	Sample Number	Location Code	Analysis Result(mg/l)	Analytical Method	[illegible]	[illegible]
2946	Ethylene dibromide			<0.00002	EPA 504	0.00005	[illegible]
2969	Para-dichlorobenzene			<0.0005	EPA 524	0.0005	[illegible]
2976	Vinyl Chloride			<0.0005	EPA 524	0.0005	[illegible]
2977	1,1 Dichloroethene			<0.0005	EPA 524	0.0005	[illegible]
2980	1,2-Dichloroethane			<0.0005	EPA 524	0.0005	[illegible]
2981	1,1,1 Trichloroethane			<0.0005	EPA 524	0.0005	[illegible]
2982	Carbon Tetrachloride			<0.0005	EPA 524	0.0005	[illegible]
2984	Trichloroethene			<0.0005	EPA 524	0.0005	[illegible]
2987	Tetrachloroethene			<0.0005	EPA 524	0.0005	[illegible]
2990	Benzene			<0.0005	EPA 524	0.0005	[illegible]

Comments:

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	55	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	MSD RESULT	MSD% 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: 2540070
Public Water System Name: Beechers Point
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: 91-10-434
Sample Location: Well
Sample Type (check all applicable):
( ) Check ( ) Regular Distribution ( ) Composite
( ) Clearance ( ) Maximum Residue Time ( ) Plant Tap
( ) Raw (X) 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 [signature]

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

CHAIN-OF-CUSTODY RECORD

SSU SERVICES P.O. BOX 458 POMONA PARK FL. 32181

911 04-4

SAME

PAUL D. Thompson

L114423

SAMPLE IDENTIFICATION	DATE	TIME	GRAB	COMP	CONTAINER	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	PROJECTED ANALYSIS VOC	REMARKS
BEECHERS POINT	10/31/91	11:30	1		1	WELL	8	✓	
LUCERA MOBILE HOME PARK	10/31/91	11:40	1		1	WELL	4	✓	
SARATOGA HARBOR	10/31/91	11:45	1		1	WELL	4	✓	
ST. JOHNS HIGHLANDS	10/31/91	10:50	1		1	WELL	4	✓	

TRANSFER NUMBER	RELINQUISHED BY	DATE/TIME	ACCEPTED BY
1st	Tom Bargeron	10 30 16:30	Deedee Heman
2nd			
3rd			

ADDITIONAL REMARKS

COOLER #s

SAMPLER'S SIGNATURE

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0304

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 # : 91-09-420
Date Received: 09/25/91
Date Reported: 10/08/91
OLI Contact: J_BEATO

Work ID: Beechers Point
Samples collected by: Client
Total Samples: 1

SAMPLE IDENTIFICATION
01 Beechers Point Dist.

TEST CODES and NAMES used on this report
PWS030 Inorganic Analysis
PWS031 Secondary Chem. Analysis

Copy of invoice 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 E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

John Hobbs
LABORATORY DIRECTOR

Eric Halarek
QUALITY CONTROL

ORLANDO LABORATORIES,INC.
Received: 09/25/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-09-420

SAMPLE ID Beechers Point Dist.
DATE COLLECTED 09/25/91 12:45:00
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	09/26/91
1010	Barium			<0.100	EPA 200.7	0.100	09/26/91
1015	Cadmium			<0.005	EPA 213.2	0.005	09/26/91
1020	Chromium			<0.010	EPA 218.2	0.010	09/26/91
1025	Fluoride			0.202	EPA 340.2	0.1	10/03/91
1030	Lead			<0.010	EPA 239.2	0.010	09/29/91
1035	Mercury			<0.0005	EPA 245.1	0.0005	09/30/91
1040	Nitrate (as N)			0.04	EPA 352.2	0.03	09/26/91
1045	Selenium			<0.005	EPA 270.2	0.005	09/26/91
1050	Silver			<0.010	EPA 272.2	0.010	10/01/91
1052	Sodium			170.0	EPA 200.7	1.00	09/26/91

Comments:

ORLANDO LABORATORIES,INC.
Received: 09/25/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-09-420

SAMPLE ID Beechers Point Dist.
DATE COLLECTED 09/25/91 12:45:00
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			110.0	EPA 200.7	0.1	09/26/91
1017	Chloride			307	SM 407	1.0	09/30/91
1019	Carbonate CaCO3			NOT ANALYZED			
1021	Hydroxide CaCO3			NOT ANALYZED			
1022	Copper			<0.010	EPA 200.7	0.010	09/26/91
1023	Bicarbonate CaCO3			NOT ANALYZED			
1025	Fluoride			0.202	EPA 340.2	0.1	10/03/91
1026	Bicarbonate HCO3			NOT ANALYZED			
1027	Hydrogen Sulfide			NOT ANALYZED			
1028	Iron			<0.100	EPA 200.7	0.100	09/26/91
1031	Magnesium			27.0	EPA 200.7	0.1	09/26/91
1032	Manganese			<0.030	EPA 200.7	0.030	09/26/91
1055	Sulfate			40.7	EPA 375.4	1.0	09/27/91
1095	Zinc			<0.050	EPA 200.7	0.050	09/26/91
1901	Carbon Dioxide			6	SM 406 C	1.0	10/03/91
1905	Color (color units)			10	EPA 270.2	5 PCU	09/26/91
1915	Total Hardness			379.0	EPA 200.7	0.050	09/26/91
1917	NCH as CaCO3			NOT ANALYZED			
1920	Odor			8	EPA 140.1	1	09/26/91
1924	Field pH (units)			NOT ANALYZED			
1925	Lab pH (units)			7.84	EPA 150.1	N/A	09/27/91
1926	Field Conductivity			NOT ANALYZED			

ORLANDO LABORATORIES,INC.
Received: 09/25/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-09-420
Continued From Above

SAMPLE ID Beechers Point Dist.
DATE COLLECTED 09/25/91 12:45:00
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			219	EPA 310.1	2.0	09/30/91
1930	TDS			918	EPA 160.1	1.0	09/27/91
1931	Phenolphthalein Alk.			<2.0	EPA 310.1	2.0	09/27/91
1996	Field Temp. (C)			NOT ANALYZED			
1997	Langlier Index pHs			7.1	CALC	N/A	10/03/91
1998	Saturation Index			0.7	CALC	N/A	10/03/91
1999	Stability Index			6.4	CALC	N/A	10/03/91
2909	Foaming Agents			<0.10	EPA 425.1	0.1	09/27/91
9996	Field OD			NOT ANALYZED			
9997	Field Chlorine			NOT ANALYZED			

Comments:

Southern States Utilities
Attn: Paul Thompson

Report No: 91-09-420
Page No: 5

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Arsenic	6	108	09/26/91	CFG
Selenium	1	92	09/26/91	CFG
Barium	<1	110	09/26/91	TWB
Cadmium	2	092	09/26/91	TWB
Chromium	1	98	09/26/91	TWB
Sodium*	<1	73	09/26/91	TWB
Copper	<1	101	09/26/91	TWB
Iron	1	101	09/26/91	TWB
Manganese	<1	105	09/26/91	TWB
Zinc	1	98	09/26/91	TWB
Calcium	<1	83	09/26/91	TWB
Magnesium	<1	102	09/26/91	TWB
Lead	<1	88	09/27/91	RJW
Mercury	<1	98	09/30/91	LG
Silver	7	91	09/27/91	STK
Color	<1	N/A	09/26/91	PE
Odor	<1	N/A	09/26/91	PE
pH	1	N/A	09/27/91	PE
MBAS	22	105	09/27/91	RAW
Nitrite Nitrogen	3	102	09/25/91	RAW
Total Alkalinity	1	104	09/30/91	PE
Fluoride	6	108	10/03/91	KH
Nitrate Nitrogen	2	97	09/26/91	RAW
Chloride	4	93	09/30/91	KH
Sulfate	4	97	09/27/91	KH
Total Dissolved Solids	6	N/A	10/01/91	KH

*Note:
Spike recovery out of QC limits for Sodium due to high analyte concentration.
Matrix spike was diluted out.

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION

Public Water System I.D. Number: 2540070

Public Water System Name: Beechers Point

Public Water System Type (check one):

(X) Community ( ) Non-Community ( ) Special Non-Community

LABORATORY CERTIFICATION INFORMATION

Lab Certification Number: 83141

Parameter Group(s) Analyzed: Inorganic Analysis
Secondary Chem. Analysis

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

SAMPLE INFORMATION

Sample Date (MMDDYY): 09/25/91

Laboratory Sample Number: 91-09-420

Sample Location: Distribution System

Sample Type (check all applicable):

( ) Check	(X) Regular Distribution	( ) Composite
( ) Clearance	( ) Maximum Residue Time	( ) Plant Tap
( ) Raw	( ) Well	( ) Re-sample
( ) Special		

Sampler Name, Title, Phone: Paul D. Thompson
Operator
904-649-4143

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 10/15/91

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 27, Orlando, FL 32814
(407) 898 5 FAX (407) 898-6588

CHAIN-OF-CUSTODY F CORD
(INSTRUCTIONS ON BAC.

Page ____ of ____

1 INVOICE TO (COMPANY AND INDIVIDUAL) ADDRESS (CITY STATE ZIP): SSU SERVICES 1000 COLOR PLACE APOPKA FL	2 CONTACT PERSON/PHONE # INVOICE:	OLI WORK ORDER # (LAB USE): 91C7420	
4 ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) ADDRESS (CITY STATE ZIP): SSU SERVICES P.O BOX 458 ALTAMONTE SPRINGS FL 32701	5 CONTACT PERSON/PHONE # REPORT: AALL THOMPSON	PO NUMBER (LAB USE): 5114	
7 (OPTIONAL) ADDITIONAL REPORTS SENT TO ADDRESS (CITY, STATE ZIP):			
8 CLIENT PROJECT NAME:	9 CLIENT PROJECT #: PO L113236		

10 SAMPLE IDENTIFICATION	11 DATE/TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	17 NUMBER OF CONTAINERS	18 REQUESTED ANALYSIS: PRIMARY INDUSTRIALS, SEMI-VOA, VOA STANDARD	19 REMARKS
BLEACHERS ADNT	9/14 12:45PM		✓	✓			DIST.	4	✓	

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY	20 ADDITIONAL REMARKS	21 COOLER # s
1st	[signature]	9/18 1300	[signature] 9/21/91 1300		
2nd	[signature]	9/14 12:45PM	RonBarger 9-23-91		
3rd	RonBarger	9-25 1620	[signature]		

22 SAMPLER'S SIGNATURE

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0311

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 # : 91-08-498
Date Received: 08/29/91
Date Reported: 09/06/91
OLI Contact: L_BALTZLEY

Work ID: Beechers Point
Samples collected by: Client
Total Samples: 1

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Beechers Points Dist.	PWS033 Radiological 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 E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

John Hobbs
LABORATORY DIRECTOR

Eric Malarek
QUALITY CONTROL

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 2540070
Public Water System Name: Beechers Point Dist.
Public Water System Type (check one):
(X) Community ( ) Non-Community ( ) Special Non-Community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: 83141
Parameter Group(s) Analyzed: Radiological Analysis

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

SAMPLE INFORMATION
Sample Date (MMDDYY): 08/29/91
Laboratory Sample Number: 91-08-498
Sample Location: NOT SUPPLIED
Sample Type (check all applicable):
( ) Check ( ) Regular Distribution ( ) Composite
( ) Clearance ( ) Maximum Residue Time ( ) Plant Tap
( ) Raw ( ) Well ( ) Re-sample
( ) Special
Sampler Name, Title, Phone: Ron Beaumgardner
904-649-4143

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 E. Malarek

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date 9/6/91

Mail Results to the Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official

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

ORLANDO LABORATORIES, INC.
Received: 08/29/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-498

SAMPLE ID Beechers Points Dist.
DATE COLLECTED 08/29/91 10:00:00
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		<0.5	EPA 900.0	+/- 5.2	09/03/91
4006	Total Uranium		N/A			
4010	Total Radium		N/A			
4020	Radium-226		N/A			
4030	Radium-228		N/A			
4100	Gross Beta		N/A			

Comments:

Southern States Utilities
Attn: Paul Thompson

Report No: 91-08-498
Page No: 3

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Gross Alpha	1.57	80	09/03/91	RAW

ORLANDO LABORATORIES INC

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6845

PLANT # 472

REPORT OF ANALYSIS

Southern States Utilities
Attn: Aaron Perlowich
1000 Color Place
Apopka, FL 32703

Report #: 2145 (89-02-023)
Sample submitted by: Client (Jerry Boyd)*
Date sampled: 1/30/89 @ 12:00*
Date received: 1/30/89
Date reported: 2/16/89
Page: 1 of 3

PURPOSE: To analyze the sample for the listed parameters
AUTHORIZATION: Chain of Custody form received from client 1/30/89
SAMPLE IDENTIFICATION: Water sample submitted and identified by client as:
Beecher's Point: Entry point to system

PROCEDURE: EPA Method 505

RESULTS, ug/l

DETERMINATION	RESULTS
Hexachlorobenzene	ND(1)
Lindane	ND(1)
Alachlor	ND(1)
Heptachlor	ND(1)
Aldrin	ND(1)
Heptachlor Epoxide	ND(1)
Dieldrin	ND(1)
Endrin	ND(1)
Methoxychlor	ND(1)
Toxaphene	ND(5)
Arochlor 1016	ND(5)
Arochlor 1221	ND(5)
Arochlor 1232	ND(5)
Arochlor 1242	ND(5)
Arochlor 1248	ND(5)
Arochlor 1254	ND(5)
Arochlor 1260	ND(5)

* Sampling information based on data supplied by client.
ND = Not Detected to the Level in Parentheses.

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 #: 2145 (89-02-023)
Page 2 of 3

PROCEDURE: EPA Method 509B

RESULTS ug/l

CHLORINATED PHENOXY ACID HERBICIDES	RESULTS
2,4-D	ND(10)
2,4,5-TP (Silvex)	ND(1)

QUALITY CONTROL DATA SHEET

DUPLICATES:

PARAMETER	% DIFFERENCE	DATE	ANALYST
Lindane	10	02/07/89	JEH
Endrin	11	02/07/89	JEH
Methoxychlor	15	02/07/89	JEH
2,4-D	7	02/07/89	JEH
2,4,5-TP	7	02/07/89	JEH

SPIKES:

PARAMETER	% RECOVERY	DATE	ANALYST
Lindane	99/89	02/07/89	JEH
Endrin	132/121	02/07/89	JEH
Methoxychlor	110/95	02/07/89	JEH
2,4-D	104/97	02/07/89	JEH
2,4,5-TP	103/96	02/07/89	JEH

ORLANDO LABORATORIES INC
P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

NORTHEAST DISTRICT
RECEIVED
FEB 2 1989
DEP/JACKSONVILLE

REPORT OF ANALYSIS

Southern States Utilities
Attn: Aaron Perlowich
1000 Color Place
Apopka, Florida 32703

Report #: 1814
Sample submitted by: Client(J. Boyd) *
Date sampled: 01-12-89 *
Date received: 01-13-89
Date reported: 01-17-89
Page 1 of 2

PURPOSE: To analyze the sample for Turbidity
AUTHORIZATION: Chain of Custody Form received from client 01-13-89
SAMPLE IDENTIFICATION: Water sample submitted and identified by client as: Beecher's Point Distribution.
PROCEDURE: EPA METHOD 180.1

2540070

RESULTS, NTU

DETERMINATION	SAMPLE
Turbidity	<1

Turbidity 1 of 2 reached 2-3-89

< = Less Than
* Sampling information based on data supplied by client.

Respectfully submitted,
ORLANDO LABORATORIES, INC.

Laboratory Manager

Quality Control

OLI Florida Department of Health & Rehabilitative Service Identification Number is 83141.

ORLANDO LABORATORIES INC
P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

NORTHEAST DISTRICT
RECEIVED
FEB 2 1989
DER-JACKSONVILLE

REPORT OF ANALYSIS

Southern States Utilities
Attn: Aaron Perlowich
1000 Color Place
Apopka, Florida 32703

Report #: 1814 (89-01-137)
Sample submitted by: Client(J. Boyd) *
Date sampled: 01-12-89 *
Date received: 01-13-89

NORTHEAST DISTRICT
RECEIVED
FEB 2 1989
DER-JACKSONVILLE

Southern States Utilities
Attn: Aaron Perlowich

Report #: 1814 (89-01-137)

QUALITY CONTROL DATA SHEET

DUPLICATES:

PARAMETER	% DIFFERENCE	DATE	ANALYST
Turbidity	2	01-13-89	P.S.

SPIKES:

PARAMETER	% RECOVERY	DATE	ANALYST
Turbidity	N/A		

ORLANDO LABORATORIES, INC.

CHAIN-OF-CUSTODY RECORD

INSTRUCTION ON BACK

Page _____ of _____

1	SSV SERVICES 1000 COLOR PLACE APOPKA FL	2 CONTACT PERSON PHONE # INVOICE	3 LAB WORK ORDER # LAB USE 9108498
4	SSV SERVICES P.O. BOX 458 POMONA PARK FL. 32181	CONTACT PERSON PHONE # REPORT PAUL THOMAS	RB NUMBER (LAB USE) 4872
5	(OPTIONAL) ADDITIONAL REPORT TO	CITY STATE ZIP	17 NUMBER OF CONTAINERS
6	CLIENT PROJECT NAME	8 CLIENT PROJECT # PO# 113212	16 REQUESTED ANALYSIS RADIO NUCLIDES G-B

10 SAMPLE IDENTIFICATION	11 DATE TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	REMARKS 19
BEECHERS POINT	8/29/91 10:00		✓	✓			DIST	

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY
1st	Eric Fenstad	5/27 0955	Paul 8/29/91
2nd	Paul	8/29/91 11:00	Ron Bayer 8.29-91
3rd	Ron Bayer	8-29/3:15	Deedee Homan

20 ADDITIONAL REMARKS

21 COOLER #'s

22 SAMPLER'S SIGNATURE

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0321

T.D. NO. 13603

FOR LAB USE ONLY

RECEIVED

DEC 4 1 57 PM '91

BY: D KAZANIS

12/5

HRS

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: Beecher's Point SYSTEM I.D. NO: 2540010 SYSTEM PHONE #: 649-4143

ADDRESS: 7 Unit St. COUNTY: Putnam DER DISTRICT: 2

COLLECTOR: [illegible] COLLECTOR PHONE #: 649-4143

SAMPLE SITE (Locality or Subdivision): Subdivision

DATE AND TIME COLLECTED: 12/4/91 [illegible]

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
[✓] Raw
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]

REMARKS:

A

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D*	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	Well #1		7.4	0[illegible]16[illegible]	M	A		
2	Well #2		7.4	0[illegible]16[illegible]	M	A		
3	Dist. 1 [illegible]	.2		0[illegible]1644		A		
4	Dist 2 Lab 17	.2		0[illegible]1645		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.

DEC 12 1991

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

Blanca [illegible], Engineer
Dept. of Env. Regulation

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

HRS Form 886, Jan 91 (Obsoletes previous editions which may not be used) (Stock Number: 0160-0886-1)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES
Putnam County Office
P. O. Box 453
Pomona Park, FL 32181

REVIEWING OFFICIAL: _____

TITLE: _____

Burnt Store - 2202

Charlotte/Lee County (SSU)

Water

- 1992 FPSC Filing -

Burnt Store

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	10/91
Organic	10/91
Volatile Organic Chemicals / Unregulated Contaminants	1/91
	4/91
	7/91
	10/91
Turbidity	10/91
Microbiological	12/91
Radionuclide	8/90
Secondary Contaminants	10/91

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Venice Grdn.
777 Shamrock Blvd.
Venice,FL 34293

Date Reported: Feb15 1991
PO Number: Burnt Store
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 3 WELLS
Date Received: Jan24 1991 Lab Number : 16101

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16101
Ethylene dibromide	mg/L	0.000005	110	2.07	<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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Venice Grdn.
777 Shamrock Blvd.
Venice,FL 34293

Date Reported: Feb15 1991
PO Number: Burnt Store
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 3 WELLS
Date Received: Jan24 1991 Lab Number : 16101

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16101
Bromoform	mg/L	0.001	112	2.79	<0.001
Bromodichloromethane	mg/L	0.001	96.9	.745	<0.001
Dibromochloromethane	mg/L	0.001	115	1.47	<0.001
p-xylene	mg/L	0.001	100	4.60	<0.001
Methylene chloride	mg/L	0.001	111	1.29	<0.001
o-chlorotoluene	mg/L	0.001	104	1.72	<0.001
p-chlorotoluene	mg/L	0.001	112	4.33	<0.001
m-dichlorobenzene	mg/L	0.001	113	1.01	<0.001
o-dichlorobenzene	mg/L	0.001	109	.679	<0.001
1,1-dichloroethane	mg/L	0.001	90.1	.446	<0.001
trans-1,2-dichloroet	mg/L	0.001	108	3.04	<0.001
1,2-dichloropropane	mg/L	0.001	99.9	.360	<0.001
1,1,2-trichloroethan	mg/L	0.001	112	1.63	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	108	3.03	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	104	3.78	<0.001
Chlorobenzene	mg/L	0.001	103	.274	<0.001
Toluene	mg/L	0.001	112	4.33	<0.001
Ethylbenzene	mg/L	0.001	94.7	1.56	<0.001
Bromobenzene	mg/L	0.001	103	.274	<0.001
m-xylene	mg/L	0.001	100	4.60	<0.001
Styrene	mg/L	0.001	112	4.33	<0.001
o-xylene	mg/L	0.001	100	4.60	<0.001
Dalapon	mg/L	0.000001	95.3	2.85	<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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Venice Grdn.
777 Shamrock Blvd.
Venice,FL 34293

Date Reported: Feb15 1991
PO Number: Burnt Store
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 94019

For: 3 WELLS
Date Received: Jan24 1991 Lab Number : 16101

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16101
Dinoseb	mg/L	0.00001	106	3.28	<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	4.60	<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	0.65	<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	98.8	5.60	<0.005
Hexachlorocyclopenta	mg/L	0.001	91.4	5.24	<0.001
Dioxin	mg/L	0.00001	97.7	3.84	<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, Ph.D.
Technical Director

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Venice Grdn.
777 Shamrock Blvd.
Venice,Fl. 34293

Date Reported: Feb15 1991
PO Number: Burnt Store
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 3 WELLS
Date Received: Jan24 1991 Lab Number : 16101

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16101
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	104	3.18	<0.0001
PCB-1260	mg/L	0.0001	94.0	3.69	<0.0001
Dioctylphthalate	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-dinitop	mg/L	0.001	104	7.47	<0.001
Phenol	mg/L	0.001	84.1	26.7	<0.001
2,4,6-trichlorophene	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

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 5080318
Public Water System Name: Hurst Store
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83134
Parameter Group(s) Analyzed: Turbidity___;Inorganic___; Trihalomethane ___;
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_;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION
Sample Date (MMDDYY): 1-23-91
Laboratory Sample Number 16101
Sample Location (be specific): R.O. wells 5, 6 + 8
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: ELIZABETH SEGLARO Operator
813 - 639-0331

ANALYSIS INFORMATION
Extraction Date 2/1/91
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 2/15/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	16101	.00002	<0.000005	EPA504.1	.000005	2/8/91
2969	Para-dichlorobenzene	16101	.075	<0.001	EPA502.2	0.001	2/1/91
2976	Vinyl chloride	16101	0.001	<0.001	EPA502.2	0.001	2/1/91
2977	1,1-dichloroethene	16101	0.007	<0.001	EPA502.2	0.001	2/1/91
2980	1,2-dichloroethane	16101	0.003	<0.001	EPA502.2	0.001	2/1/91
2981	1,1,1-trichloroethane	16101	0.2	<0.001	EPA502.2	0.001	2/1/91
2982	Carbon tetrachloride	16101	0.003	<0.001	EPA502.2	0.001	2/1/91
2984	Trichloroethene	16101	0.003	<0.001	EPA502.2	0.001	2/1/91
2987	Tetrachloroethene	16101	0.003	<0.001	EPA502.2	0.001	2/1/91
2990	Benzene	16101	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	16101		<0.001	EPA502.2	0.001	2/1/91
2212	Dichlorodifluoromethane	16101		<0.001	EPA502.2	0.001	2/1/91
2214	Bromomethane	16101		<0.001	EPA502.2	0.001	2/1/91
2216	Chloroethane	16101		<0.001	EPA502.2	0.001	2/1/91
2218	Trichlorofluoromethane	16101		<0.001	EPA502.2	0.001	2/1/91
2224	trans-1,3,-dichloroprop	16101		<0.001	EPA502.2	0.001	2/1/91
2228	cis-1,3-dichloropropene	16101		<0.001	EPA502.2	0.001	2/1/91
2251	Methyl-tert-butylether	16101		<0.001	EPA502.2	0.001	2/1/91
2380	cis-1,2-dichloroethene	16101		<0.001	EPA502.2	0.001	2/1/91
2408	Dibromomethane	16101		<0.001	EPA502.2	0.001	2/1/91
2410	1,1-dichloropropene	16101		<0.001	EPA502.2	0.001	2/1/91
2412	1,3-dichloropropane	16101		<0.001	EPA502.2	0.001	2/1/91
2414	1,2,3-trichloropropane	16101		<0.001	EPA502.2	0.001	2/1/91
2416	2,2-dichloropropane	16101		<0.001	EPA502.2	0.001	2/1/91
2931	1,2-dibromo-3-chloropr	16101		<0.001	EPA502.2	0.001	2/1/91
2941	Chloroform	16101		<0.001	EPA502.2	0.001	2/1/91
2942	Bromoform	16101		<0.001	EPA502.2	0.001	2/1/91
2943	Bromodichloromethane	16101		<0.001	EPA502.2	0.001	2/1/91
2944	Dibromochloromethane	16101		<0.001	EPA502.2	0.001	2/1/91
2962	p-xylene	16101		<0.001	EPA502.2	0.001	2/1/91
2964	Methylene chloride	16101		<0.001	EPA502.2	0.001	2/1/91
2965	o-chlorotoluene	16101		<0.001	EPA502.2	0.001	2/1/91
2966	p-chlorotoluene	16101		<0.001	EPA502.2	0.001	2/1/91
2967	m-dichlorobenzene	16101		<0.001	EPA502.2	0.001	2/1/91
2968	o-dichlorobenzene	16101		<0.001	EPA502.2	0.001	2/1/91
2978	1,1-dichloroethane	16101		<0.001	EPA502.2	0.001	2/1/91
2979	trans-1,2-dichloroethyl	16101		<0.001	EPA502.2	0.001	2/1/91
2983	1,2-dichloropropane	16101		<0.001	EPA502.2	0.001	2/1/91
2985	1,1,2-trichloroethane	16101		<0.001	EPA502.2	0.001	2/1/91
2986	1,1,1,2-tetrachloroetha	16101		<0.001	EPA502.2	0.001	2/1/91
2988	1,1,2,2-tetrachloroetha	16101		<0.001	EPA502.2	0.001	2/1/91
2989	Chlorobenzene	16101		<0.001	EPA502.2	0.001	2/1/91

2991	Toluene	6101	<0.001	EPA502.2	0.001	2/1/91
2992	Ethylbenzene	16101	<0.001	EPA502.2	0.001	2/1/91
2993	Bromobenzene	16101	<0.001	EPA502.2	0.001	2/1/91
2995	m-xylene	16101	<0.001	EPA502.2	0.001	2/1/91
2996	Styrene	16101	<0.001	EPA502.2	0.001	2/1/91
2997	o-xylene	16101	<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	16101		<.000001	EPA515	.000001	2/14/91
2036	Oxamyl (Vydate)	16101		<0.002	EPA531	0.002	2/14/91
2037	Simazine	16101		<0.007	EPA505	0.007	2/14/91
2040	Picloram	16101		<0.00007	EPA515	0.00007	2/14/91
2041	Dinoseb	16101		<0.00001	EPA515	0.00001	2/14/91
2043	Aldicarb sulfoxide	16101		<0.002	EPA531	0.002	2/14/91
2044	Aldicarb sulfone	16101		<0.002	EPA531	0.002	2/14/91
2045	Metolachlor	16101		<0.0005	EPA505	0.0005	2/14/91
2046	Carbofuran	16101		<0.001	EPA531	0.001	2/14/91
2047	Aldicarb	16101		<0.002	EPA531	0.002	2/14/91
2050	Atrazine	16101		<0.002	EPA505	0.002	2/14/91
2051	Alachlor (Lasso)	16101		<0.0002	EPA505	0.0002	2/14/91
2065	Heptachlor	16101		<.000005	EPA508	.000005	2/14/91
2356	Aldrin	16101		<0.00007	EPA508	0.00007	2/14/91
2364	Dieldrin	16101		<0.00001	EPA508	0.00001	2/14/91
2440	Dicamba	16101		<0.00001	EPA515	0.00001	2/14/91
2959	Chlordane	16101		<0.00001	EPA508	0.00001	2/14/91
9114	Pentachlorophenol	16101		<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	Hexachlorocyclopentadie	16101		<0.001	EPA508	0.001	2/12/91
2063	Dioxin	16101		<0.00001	EPA613	0.00001	2/12/91
2262	Isophorone	16101		<0.001	EPA609	0.001	2/12/91
2270	2,4-dinitrotoluene	16101		<0.001	EPA609	0.001	2/12/91
2282	Dimethylphthalate	16101		<0.001	EPA606	0.001	2/12/91
2284	Diethylphthalate	16101		<0.001	EPA606	0.001	2/12/91
2290	Di-n-butylphthalate	16101		<0.001	EPA606	0.001	2/12/91
2294	Butyl benzyl phthalate	16101		<0.001	EPA606	0.001	2/12/91
2298	Bis(2-ethylhexyl)phthal	16101		<0.001	EPA606	0.001	2/12/91
2378	1,2,4-trichlorobenzene	16101		<0.001	EPA612	0.001	2/12/91
2388	PCB-1016	16101		<0.0001	EPA505	0.0001	2/13/91
2390	PCB-1221	16101		<0.0001	EPA505	0.0001	2/13/91
2392	PCB-1232	16101		<0.0001	EPA505	0.0001	2/13/91
2394	PCB-1242	16101		<0.0001	EPA505	0.0001	2/13/91
2396	PCB-1248	16101		<0.0001	EPA505	0.0001	2/13/91
2398	PCB-1254	16101		<0.0001	EPA505	0.0001	2/13/91

2400	PCB-1260	16101	<0.0001	EPA505	0.0001	2/13/91
9089	Dioctylphthalate	16101	<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	16101		<0.001	EPA604	0.001	2/12/91
9112	2-methyl-4,6-dinitophe	16101		<0.001	EPA604	0.001	2/12/91
9115	Phenol	16101		<0.001	EPA604	0.001	2/12/91
9116	2,4,6-trichlorophenol	16101		<0.001	EPA604	0.001	2/12/91

Comments:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
2280 KingsHwy#3K
Pt.Charlotte,FL 3398

Date Reported: May 8 1991

FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: P.O.WELLS#5,6&8
Date Received: Apr17 1991 Lab Number : 16677

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16677
Ethylene dibromide	mg/L	0.000005	109	7.28	<0.000005
Para-dichlorobenzene	mg/L	0.001	118	.318	<0.001
Vinyl chloride	mg/L	0.001	76.9	.383	<0.001
1,1-dichloroethene	mg/L	0.001	76.9	.383	<0.001
1,2-dichloroethane	mg/L	0.001	119	.515	<0.001
1,1,1-trichloroethan	mg/L	0.001	115	.350	<0.001
Carbon tetrachloride	mg/L	0.001	116	1.10	<0.001
Trichloroethene	mg/L	0.001	113	.773	<0.001
Tetrachloroethene	mg/L	0.001	122	1.99	<0.001
Benzene	mg/L	0.001	112	2.12	<0.001
Chloromethane	mg/L	0.001	97.8	3.26	<0.001
Dichlorodifluorometh	mg/L	0.001	116	1.10	<0.001
Bromomethane	mg/L	0.001	97.8	3.26	<0.001
Chloroethane	mg/L	0.001	76.9	.383	<0.001
Trichlorofluorometha	mg/L	0.001	116	1.10	<0.001
trans-1,3,-dichlorop	mg/L	0.001	117	.020	<0.001
cis-1,3-dichloroprop	mg/L	0.001	118	4.25	<0.001
Methyl-tert-butyleth	mg/L	0.001	90.6	14.6	<0.001
cis-1,2-dichloroethe	mg/L	0.001	118	4.25	<0.001
Dibromomethane	mg/L	0.001	97.8	3.26	<0.001
1,1-dichloropropene	mg/L	0.001	109	2.16	<0.001
1,3-dichloropropane	mg/L	0.001	117	.020	<0.001
1,2,3-trichloropropa	mg/L	0.001	133	4.74	<0.001
2,2-dichloropropane	mg/L	0.001	76.9	.383	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	133	4.74	<0.001
Chloroform	mg/L	0.001	115	.187	<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.
Technical Director

Jeffrey L. Flowers, M.S.
Jeffrey S. Flowers, Ph.D.
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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
2280 KingsHwy#3K
Pt.Charlotte,FL 3398

Date Reported: May 8 1991

FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: R.O.WELLS#5,6&8
Date Received: Apr17 1991 Lab Number : 16677

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16677
Bromoform	mg/L	0.001	119	4.71	<0.001
Bromodichloromethane	mg/L	0.001	116	.818	<0.001
Dibromochloromethane	mg/L	0.001	117	5.05	<0.001
p-xylene	mg/L	0.001	126	2.99	<0.001
Methylene chloride	mg/L	0.001	97.8	3.26	<0.001
o-chlorotoluene	mg/L	0.001	120	2.31	<0.001
p-chlorotoluene	mg/L	0.001	113	4.91	<0.001
m-dichlorobenzene	mg/L	0.001	120	.974	<0.001
o-dichlorobenzene	mg/L	0.001	117	1.25	<0.001
1,1-dichloroethane	mg/L	0.001	103	8.78	<0.001
trans-1,2-dichloroet	mg/L	0.001	117	1.90	<0.001
1,2-dichloropropane	mg/L	0.001	116	.385	<0.001
1,1,2-trichloroethan	mg/L	0.001	119	4.35	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	114	3.76	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	107	22.0	<0.001
Chlorobenzene	mg/L	0.001	114	2.66	<0.001
Toluene	mg/L	0.001	113	4.91	<0.001
Ethylbenzene	mg/L	0.001	109	.964	<0.001
Bromobenzene	mg/L	0.001	114	2.66	<0.001
m-xylene	mg/L	0.001	126	2.99	<0.001
Styrene	mg/L	0.001	113	4.91	<0.001
o-xylene	mg/L	0.001	126	2.99	<0.001
Dalapon	mg/L	0.000001	94.8	1.87	<0.000001
Oxamyl (Vydate)	mg/L	0.002	109	.000	<0.002
Simazine	mg/L	0.007	99.2	.737	<0.007
Picloram	mg/L	0.00007	93.5	3.78	<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

RECEIVED MAY 13 1991

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
2280 KingsHwy#3K
Pt.Charlotte,FL 3398

Date Reported: May 8 1991

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

For: R.O.WELLS#5,6&8
Date Received: Apr17 1991 Lab Number : 16677

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16677
Dinoseb	mg/L	0.00001	106	8.04	<0.00001
Aldicarb sulfoxide	mg/L	0.002	109	.000	<0.002
Aldicarb sulfone	mg/L	0.002	111	.000	<0.002
Metolachlor	mg/L	0.0005	102	5.55	<0.0005
Carbofuran	mg/L	0.001	105	.000	<0.001
Aldicarb	mg/L	0.002	105	.000	<0.002
Atrazine	mg/L	0.002	99.7	1.28	<0.002
Alachlor (Lasso)	mg/L	0.0002	97.3	5.45	<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	94.0	5.27	<0.00001
Chlordane	mg/L	0.00001	100	3.39	<0.00001
Pentachlorophenol	mg/L	0.005	96.0	11.1	<0.005
Hexachlorocyclopenta	mg/L	0.001	96.0	2.95	<0.001
Dioxin	mg/L	0.00001	97.9	3.61	<0.00001
Isophorone	mg/L	0.001	89.7	6.59	<0.001
2,4-dinitrotoluene	mg/L	0.001	88.3	3.08	<0.001
Dimethylphthalate	mg/L	0.001	96.2	.265	<0.001
Diethylphthalate	mg/L	0.001	104	2.77	<0.001
Di-n-butylphthalate	mg/L	0.001	96.2	2.04	<0.001
Butyl benzyl phthala	mg/L	0.001	98.9	1.69	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	99.7	2.17	<0.001
1,2,4-trichlorobenze	mg/L	0.001	98.3	1.96	<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

RECEIVED MAY 13 1991

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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
2280 KingsHwy#3K
Pt.Charlotte,FL 3398

Date Reported: May 8 1991

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

For: R.O.WELLS#5,628
Date Received: Apr17 1991 Lab Number : 16677

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16677
PCB_1222	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	.559	<0.0001
Dioctylphthalate	mg/L	0.001	116	2.88	<0.001
2-chlorophenol	mg/L	0.001	83.0	2.01	<0.001
2-methyl-4,6-dinitop	mg/L	0.001	100	1.82	<0.001
Phenol	mg/L	0.001	96.4	8.68	<0.001
2,4,6-trichloropheno	mg/L	0.001	89.8	4.17	<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.

Johnson S. Flowers, Ph.D.
Technical Director

RECEIVED MAY 13 1991

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 5080318
Public Water System Name: RUNNI STORE
Public Water System Type (check one):
(X)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_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): 04-17-91
Laboratory Sample Number 16877
Sample Location (be specific): R.O. Wells 5, 6+8
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: L.D. Ayers Operator
813-639-0371

ANALYSIS INFORMATION
Extraction Date 5/1/91
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 5/7/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

RECEIVED MAY 13 1991

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	16677	.00002	<.000005	EPA504.1	.000005	5/2/91
2969	Para-dichlorobenzene	16677	.075	<0.001	EPA502.2	0.001	5/1/91
2976	Vinyl chloride	16677	0.001	<0.001	EPA502.2	0.001	5/1/91
2977	1,1-dichloroethene	16677	0.007	<0.001	EPA502.2	0.001	5/1/91
2980	1,2-dichloroethane	16677	0.003	<0.001	EPA502.2	0.001	5/1/91
2981	1,1,1-trichloroethane	16677	0.2	<0.001	EPA502.2	0.001	5/1/91
2982	Carbon tetrachloride	16677	0.003	<0.001	EPA502.2	0.001	5/1/91
2984	Trichloroethene	16677	0.003	<0.001	EPA502.2	0.001	5/1/91
2987	Tetrachloroethene	16677	0.003	<0.001	EPA502.2	0.001	5/1/91
2990	Benzene	16677	0.001	<0.001	EPA502.2	0.001	5/1/91

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	16677		<0.001	EPA502.2	0.001	5/1/91
2212	Dichlorodifluoromethan	16677		<0.001	EPA502.2	0.001	5/1/91
2214	Bromomethane	16677		<0.001	EPA502.2	0.001	5/1/91
2216	Chloroethane	16677		<0.001	EPA502.2	0.001	5/1/91
2218	Trichlorofluoromethane	16677		<0.001	EPA502.2	0.001	5/1/91
2224	trans-1,3,-dichloroprop	16677		<0.001	EPA502.2	0.001	5/1/91
2228	cis-1,3-dichloropropene	16677		<0.001	EPA502.2	0.001	5/1/91
2251	Methyl-tert-butylether	16677		<0.001	EPA502.2	0.001	5/1/91
2380	cis-1,2-dichloroethene	16677		<0.001	EPA502.2	0.001	5/1/91
2408	Dibromomethane	16677		<0.001	EPA502.2	0.001	5/1/91
2410	1,1-dichloropropene	16677		<0.001	EPA502.2	0.001	5/1/91
2412	1,3-dichloropropane	16677		<0.001	EPA502.2	0.001	5/1/91
2414	1,2,3-trichloropropane	16677		<0.001	EPA502.2	0.001	5/1/91
2416	2,2-dichloropropane	16677		<0.001	EPA502.2	0.001	5/1/91
2931	1,2-dibromo-3-chloropr	16677		<0.001	EPA502.2	0.001	5/1/91
2941	Chloroform	16677		<0.001	EPA502.2	0.001	5/1/91
2942	Bromoform	16677		<0.001	EPA502.2	0.001	5/1/91
2943	Bromodichloromethane	16677		<0.001	EPA502.2	0.001	5/1/91
2944	Dibromochloromethane	16677		<0.001	EPA502.2	0.001	5/1/91
2962	p-xylene	16677		<0.001	EPA502.2	0.001	5/1/91
2964	Methylene chloride	16677		<0.001	EPA502.2	0.001	5/1/91
2965	o-chlorotoluene	16677		<0.001	EPA502.2	0.001	5/1/91
2966	p-chlorotoluene	16677		<0.001	EPA502.2	0.001	5/1/91
2967	m-dichlorobenzene	16677		<0.001	EPA502.2	0.001	5/1/91
2968	o-dichlorobenzene	16677		<0.001	EPA502.2	0.001	5/1/91
2978	1,1-dichloroethane	16677		<0.001	EPA502.2	0.001	5/1/91
2979	trans-1,2-dichloroethyl	16677		<0.001	EPA502.2	0.001	5/1/91
2983	1,2-dichloropropane	16677		<0.001	EPA502.2	0.001	5/1/91
2985	1,1,2-trichloroethane	16677		<0.001	EPA502.2	0.001	5/1/91
2986	1,1,1,2-tetrachloroetha	16677		<0.001	EPA502.2	0.001	5/1/91
2988	1,1,2,2-tetrachloroetha	16677		<0.001	EPA502.2	0.001	5/1/91
2989	Chlorobenzene	16677		<0.001	EPA502.2	0.001	5/1/91

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2991	Toluene	16677	<0.001	EPA502.2	0.001	5/1/91
2992	Ethylbenzene	16677	<0.001	EPA502.2	0.001	5/1/91
2993	Bromobenzene	16677	<0.001	EPA502.2	0.001	5/1/91
2995	m-xylene	16677	<0.001	EPA502.2	0.001	5/1/91
2996	Styrene	16677	<0.001	EPA502.2	0.001	5/1/91
2997	o-xylene	16677	<0.001	EPA502.2	0.001	5/1/91

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	16677		<.000001	EPA515	.000001	4/26/91
2036	Oxamyl (Vydate)	16677		<0.002	EPA531	0.002	5/6/91
2037	Simazine	16677		<0.007	EPA505	0.007	4/26/91
2040	Picloram	16677		<0.00007	EPA515	0.00007	4/26/91
2041	Dinoseb	16677		<0.00001	EPA515	0.00001	4/26/91
2043	Aldicarb sulfoxide	16677		<0.002	EPA531	0.002	5/6/91
2044	Aldicarb sulfone	16677		<0.002	EPA531	0.002	5/6/91
2045	Metolachlor	16677		<0.0005	EPA505	0.0005	4/26/91
2046	Carbofuran	16677		<0.001	EPA531	0.001	5/6/91
2047	Aldicarb	16677		<0.002	EPA531	0.002	5/6/91
2050	Atrazine	16677		<0.002	EPA505	0.002	4/26/91
2051	Alachlor (Lasso)	16677		<0.0002	EPA505	0.0002	4/26/91
2065	Heptachlor	16677		<.000005	EPA508	.000005	5/3/91
2356	Aldrin	16677		<0.00007	EPA508	0.00007	5/3/91
2364	Dieldrin	16677		<0.00001	EPA508	0.00001	5/3/91
2440	Dicamba	16677		<0.00001	EPA515	0.00001	4/26/91
2959	Chlordane	16677		<0.00001	EPA508	0.00001	5/3/91
9114	Pentachlorophenol	16677		<0.005	EPA515	0.005	5/4/91

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	Hexachlorocyclopentadie	16677		<0.001	EPA508	0.001	4/26/91
2063	Dioxin	16677		<0.00001	EPA613	0.00001	5/3/91
2262	Isophorone	16677		<0.001	EPA609	0.001	5/4/91
2270	2,4-dinitrotoluene	16677		<0.001	EPA609	0.001	5/4/91
2282	Dimethylphthalate	16677		<0.001	EPA606	0.001	5/4/91
2284	Diethylphthalate	16677		<0.001	EPA606	0.001	5/4/91
2290	Di-n-butylphthalate	16677		<0.001	EPA606	0.001	5/4/91
2294	Butyl benzyl phthalate	16677		<0.001	EPA606	0.001	5/4/91
2298	Bis(2-ethylhexyl)phthal	16677		<0.001	EPA606	0.001	5/4/91
2378	1,2,4-trichlorobenzene	16677		<0.001	EPA612	0.001	5/4/91
2388	PCB 1016	16677		<0.0001	EPA505	0.0001	5/3/91
2390	PCB 1221	16677		<0.0001	EPA505	0.0001	5/3/91
2392	PCB 1232	16677		<0.0001	EPA505	0.0001	5/3/91
2394	PCB 1242	16677		<0.0001	EPA505	0.0001	5/3/91
2396	PCB 1248	16677		<0.0001	EPA505	0.0001	5/3/91
2398	PCB 1254	16677		<0.0001	EPA505	0.0001	5/3/91

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2400	PCB 1260	16677	<0.0001	EPA505	0.0001	5/3/91
9089	Dioctylphthalate	6677	<0.001	EPA606	0.001	5/4/91

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	16677		<0.001	EPA604	0.001	5/4/91
9112	2-methyl-4,6-dinitophe	16677		<0.001	EPA604	0.001	5/4/91
9115	Phenol	16677		<0.001	EPA604	0.001	5/4/91
9116	2,4,6-trichlorophenol	16677		<0.001	EPA604	0.001	5/4/91

Comments:

RECEIVED MAY 13 1991

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
2200 Ring'sHwy.Bldg#
Pt.Charlotte,FL 33980

Date Reported: Aug 2 1991
PO Number: B91043

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

For: WELL#5,6,8
Date Received: Jul17 1991 Lab Number : 17329

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17329
Ethylene dibromide	mg/L	0.000005	101	4.61	<0.000005
Para-dichlorobenzene	mg/L	0.001	82.5	2.24	<0.001
Vinyl chloride	mg/L	0.001	88.3	.293	<0.001
1,1-dichloroethene	mg/L	0.001	88.3	.293	<0.001
1,2-dichloroethane	mg/L	0.001	88.7	3.92	<0.001
1,1,1-trichloroethan	mg/L	0.001	88.2	1.19	<0.001
Carbon tetrachloride	mg/L	0.001	89.6	1.84	<0.001
Trichloroethene	mg/L	0.001	90.0	.526	<0.001
Tetrachloroethene	mg/L	0.001	86.6	2.09	<0.001
Benzene	mg/L	0.001	91.1	.167	<0.001
Chloromethane	mg/L	0.001	88.2	1.19	<0.001
Dichlorodifluorometh	mg/L	0.001	83.4	.525	<0.001
Bromomethane	mg/L	0.001	82.0	4.39	<0.001
Chloroethane	mg/L	0.001	100	9.85	<0.001
Trichlorofluorometha	mg/L	0.001	88.3	.293	<0.001
trans-1,3,-dichlorop	mg/L	0.001	88.7	3.92	<0.001
cis-1,3-dichloroprop	mg/L	0.001	88.8	1.94	<0.001
Methyl-tert-butyleth	mg/L	0.001	84.4	.859	<0.001
cis-1,2-dichloroethe	mg/L	0.001	80.9	3.95	<0.001
Dibromomethane	mg/L	0.001	83.6	2.40	<0.001
1,1-dichloropropene	mg/L	0.001	83.4	2.86	<0.001
1,3-dichloropropane	mg/L	0.001	89.6	1.84	<0.001
1,2,3-trichloropropa	mg/L	0.001	87.8	4.98	<0.001
2,2-dichloropropane	mg/L	0.001	83.2	6.17	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	96.1	3.13	<0.001
Chloroform	mg/L	0.001	84.4	.859	<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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
SSU
2200 King'sHwy.Bldg#
Pt.Charlotte,FL 3398

Date Reported: Aug 2 1991
PO Number: B91043
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL#5,6,8
Date Received: Jul17 1991 Lab Number : 17329

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17329
Bromoform	mg/L	0.001	89.6	1.84	<0.001
Bromodichloromethane	mg/L	0.001	88.3	.293	<0.001
Dibromochloromethane	mg/L	0.001	90.0	.526	<0.001
p-xylene	mg/L	0.001	86.6	2.09	<0.001
Methylene chloride	mg/L	0.001	88.8	5.44	<0.001
o-chlorotoluene	mg/L	0.001	96.1	3.13	<0.001
p-chlorotoluene	mg/L	0.001	84.3	5.75	<0.001
m-dichlorobenzene	mg/L	0.001	88.3	.293	<0.001
o-dichlorobenzene	mg/L	0.001	96.1	3.13	<0.001
1,1-dichloroethane	mg/L	0.001	89.6	1.84	<0.001
trans-1,2-dichloroet	mg/L	0.001	88.3	.293	<0.001
1,2-dichloropropane	mg/L	0.001	82.1	2.44	<0.001
1,1,2-trichloroethan	mg/L	0.001	82.3	.117	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	82.5	2.24	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	88.1	5.99	<0.001
Chlorobenzene	mg/L	0.001	84.3	5.75	<0.001
Toluene	mg/L	0.001	91.1	.167	<0.001
Ethylbenzene	mg/L	0.001	90.4	1.27	<0.001
Bromobenzene	mg/L	0.001	92.5	.928	<0.001
m-xylene	mg/L	0.001	93.0	.304	<0.001
Styrene	mg/L	0.001	97.2	6.27	<0.001
o-xylene	mg/L	0.001	98.0	1.66	<0.001
Dalapon	mg/L	0.000001	107	.702	<0.000001
Oxamyl (Vydate)	mg/L	0.002	102	4.88	<0.002
Simazine	mg/L	0.007	96.0	2.46	<0.007
Picloram	mg/L	0.00007	103	7.59	<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.

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Technical Director

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
SSU
2200 King's Hwy.Bldg#
Pt.Charlotte,FL 3398

Date Reported: Aug 2 1991
PO Number: 891043
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL#5,6,8
Date Received: Jul17 1991 Lab Number : 17329

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17329
Dinoseb	mg/L	0.00001	99.8	11.7	<0.00001
Aldicarb sulfoxide	mg/L	0.002	124	18.9	<0.002
Aldicarb sulfone	mg/L	0.002	103	.443	<0.002
Metolachlor	mg/L	0.0005	105	4.74	<0.0005
Carbofuran	mg/L	0.001	122	8.84	<0.001
Aldicarb	mg/L	0.002	106	4.29	<0.002
Atrazine	mg/L	0.002	101	1.13	<0.002
Alachlor (Lasso)	mg/L	0.0002	91.3	4.26	<0.0002
Heptachlor	mg/L	0.000005	101	.561	<0.000005
Aldrin	mg/L	0.00007	107	3.44	<0.00007
Dieldrin	mg/L	0.00001	99.5	10.7	<0.00001
Dicamba	mg/L	0.00001	98.5	9.33	<0.00001
Chlordane	mg/L	0.00001	99.0	2.00	<0.00001
Pentachlorophenol	mg/L	0.005	98.0	2.89	<0.005
Hexachlorocyclopenta	mg/L	0.001	104	7.52	<0.001
Dioxin	mg/L	0.00001	103	3.44	<0.00001
Isophorone	mg/L	0.001	97.1	14.6	<0.001
2,4-dinitrotoluene	mg/L	0.001	96.0	11.2	<0.001
Dimethylphthalate	mg/L	0.001	86.7	2.41	<0.001
Diethylphthalate	mg/L	0.001	106	8.62	<0.001
Di-n-butylphthalate	mg/L	0.001	104	2.59	<0.001
Butyl benzyl phthala	mg/L	0.001	113	6.79	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	114	6.56	<0.001
1,2,4-trichlorobenze	mg/L	0.001	104	2.71	<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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
SSU
2200 King's Hwy. Bldg#
Pt. Charlotte, FL 3398

Date Reported: Aug 2 1991
PO Number: B91043
PO Number
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL#5,6,8
Date Received: Jul17 1991 Lab Number : 17329

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17329
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	.559	<0.0001
Dioctylphthalate	mg/L	0.001	101	5.20	<0.001
2-chlorophenol	mg/L	0.001	93.7	9.56	<0.001
2-methyl-4,6-dinitop	mg/L	0.001	100	9.04	<0.001
Phenol	mg/L	0.001	90.6	4.68	<0.001
2,4,6-trichloropheno	mg/L	0.001	91.3	6.81	<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

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 5080318
Public Water System Name: BURNT Store
Public Water System Type (check one):
(X)Commun ( )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_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): 07-15-91
Laboratory Sample Number 17329
Sample Location (be specific): R.O. Wells 5, 6 + 8
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: L.D. Ayers - Operator
813-639-0331

ANALYSIS INFORMATION
Extraction Date 7/17/91
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTEC 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 7/31/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

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

Volatile Organic Analysis
17-550.310(2)(d)
(PWS026)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	17329	.00002	<.000005	EPA504.1	.000005	7/23/91
2969	Para-dichlorobenzene	17329	.075	<0.001	EPA502.2	0.001	7/17/91
2976	Vinyl chloride	17329	0.001	<0.001	EPA502.2	0.001	7/17/91
2977	1,1-dichloroethene	17329	0.007	<0.001	EPA502.2	0.001	7/17/91
2980	1,2-dichloroethane	17329	0.003	<0.001	EPA502.2	0.001	7/17/91
2981	1,1,1-trichloroethane	17329	0.2	<0.001	EPA502.2	0.001	7/17/91
2982	Carbon tetrachloride	17329	0.003	<0.001	EPA502.2	0.001	7/17/91
2984	Trichloroethene	17329	0.003	<0.001	EPA502.2	0.001	7/17/91
2987	Tetrachloroethene	17329	0.003	<0.001	EPA502.2	0.001	7/17/91
2990	Benzene	17329	0.001	<0.001	EPA502.2	0.001	7/17/91

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	17329		<0.001	EPA502.2	0.001	7/17/91
2212	Dichlorodifluoromethan	17329		<0.001	EPA502.2	0.001	7/17/91
2214	Bromomethane	17329		<0.001	EPA502.2	0.001	7/17/91
2216	Chloroethane	17329		<0.001	EPA502.2	0.001	7/17/91
2218	Trichlorofluoromethane	17329		<0.001	EPA502.2	0.001	7/17/91
2224	trans-1,3,-dichloroprop	17329		<0.001	EPA502.2	0.001	7/17/91
2228	cis-1,3-dichloropropene	17329		<0.001	EPA502.2	0.001	7/17/91
2251	Methyl-tert-butylether	17329		<0.001	EPA502.2	0.001	7/17/91
2380	cis-1,2-dichloroethene	17329		<0.001	EPA502.2	0.001	7/17/91
2408	Dibromomethane	17329		<0.001	EPA502.2	0.001	7/17/91
2410	1,1-dichloropropene	17329		<0.001	EPA502.2	0.001	7/17/91
2412	1,3-dichloropropane	17329		<0.001	EPA502.2	0.001	7/17/91
2414	1,2,3-trichloropropane	17329		<0.001	EPA502.2	0.001	7/17/91
2416	2,2-dichloropropane	17329		<0.001	EPA502.2	0.001	7/17/91
2931	1,2-dibromo-3-chloropr	17329		<0.001	EPA502.2	0.001	7/17/91
2941	Chloroform	17329		<0.001	EPA502.2	0.001	7/17/91
2942	Bromoform	17329		<0.001	EPA502.2	0.001	7/17/91
2943	Bromodichloromethane	17329		<0.001	EPA502.2	0.001	7/17/91
2944	Dibromochloromethane	17329		<0.001	EPA502.2	0.001	7/17/91
2962	p-xylene	17329		<0.001	EPA502.2	0.001	7/17/91
2964	Methylene chloride	17329		<0.001	EPA502.2	0.001	7/17/91
2965	o-chlorotoluene	17329		<0.001	EPA502.2	0.001	7/17/91
2966	p-chlorotoluene	17329		<0.001	EPA502.2	0.001	7/17/91
2967	m-dichlorobenzene	17329		<0.001	EPA502.2	0.001	7/17/91
2968	o-dichlorobenzene	17329		<0.001	EPA502.2	0.001	7/17/91
2978	1,1-dichloroethane	17329		<0.001	EPA502.2	0.001	7/17/91
2979	trans-1,2-dichloroethyl	17329		<0.001	EPA502.2	0.001	7/17/91
2983	1,2-dichloropropane	17329		<0.001	EPA502.2	0.001	7/17/91
2985	1,1,2-trichloroethane	17329		<0.001	EPA502.2	0.001	7/17/91
2986	1,1,1,2-tetrachloroetha	17329		<0.001	EPA502.2	0.001	7/17/91
2988	1,1,2,2-tetrachloroetha	17329		<0.001	EPA502.2	0.001	7/17/91
2989	Chlorobenzene	17329		<0.001	EPA502.2	0.001	7/17/91

2991	Toluene	17329	<0.001	EPA502.2	0.001	7/17/91
2992	Ethylbenzene	17329	<0.001	EPA502.2	0.001	7/17/91
2993	Bromobenzene	17329	<0.001	EPA502.2	0.001	7/17/91
2995	m-xylene	17329	<0.001	EPA502.2	0.001	7/17/91
2996	Styrene	17329	<0.001	EPA502.2	0.001	7/17/91
2997	o-xylene	17329	<0.001	EPA502.2	0.001	7/17/91

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	17329		<.000001	EPA515	.000001	7/31/91
2036	Oxamyl (Vydate)	17329		<0.002	EPA531	0.002	7/31/91
2037	Simazine	17329		<0.007	EPA505	0.007	7/31/91
2040	Picloram	17329		<0.00007	EPA515	0.00007	7/31/91
2041	Dinoseb	17329		<0.00001	EPA515	0.00001	7/31/91
2043	Aldicarb sulfoxide	17329		<0.002	EPA531	0.002	7/31/91
2044	Aldicarb sulfone	17329		<0.002	EPA531	0.002	7/31/91
2045	Metolachlor	17329		<0.0005	EPA505	0.0005	7/31/91
2046	Carbofuran	17329		<0.001	EPA531	0.001	7/31/91
2047	Aldicarb	17329		<0.002	EPA531	0.002	7/31/91
2050	Atrazine	17329		<0.002	EPA505	0.002	7/31/91
2051	Alachlor (Lasso)	17329		<0.0002	EPA505	0.0002	7/31/91
2065	Heptachlor	17329		<.000005	EPA508	.000005	7/29/91
2356	Aldrin	17329		<0.00007	EPA508	0.00007	7/29/91
2364	Dieldrin	17329		<0.00001	EPA508	0.00001	7/29/91
2440	Dicamba	17329		<0.00001	EPA515	0.00001	7/31/91
2959	Chlordane	17329		<0.00001	EPA508	0.00001	7/29/91
9114	Pentachlorophenol	17329		<0.005	EPA515	0.005	7/31/91

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	Hexachlorocyclopentadie	17329		<0.001	EPA508	0.001	7/31/91
2063	Dioxin	17329		<0.00001	EPA613	0.00001	7/29/91
2262	Isophorone	17329		<0.001	EPA609	0.001	7/26/91
2270	2,4-dinitrotoluene	17329		<0.001	EPA609	0.001	7/26/91
2282	Dimethylphthalate	17329		<0.001	EPA606	0.001	7/26/91
2284	Diethylphthalate	17329		<0.001	EPA606	0.001	7/26/91
2290	Di-n-butylphthalate	17329		<0.001	EPA606	0.001	7/26/91
2294	Butyl benzyl phthalate	17329		<0.001	EPA606	0.001	7/26/91
2298	Bis(2-ethylhexyl)phthal	17329		<0.001	EPA606	0.001	7/26/91
2378	1,2,4-trichlorobenzene	17329		<0.001	EPA612	0.001	7/26/91
2388	PCB 1016	17329		<0.0001	EPA505	0.0001	7/29/91
2390	PCB 1221	17329		<0.0001	EPA505	0.0001	7/29/91
2392	PCB 1232	17329		<0.0001	EPA505	0.0001	7/29/91
2394	PCB 1242	17329		<0.0001	EPA505	0.0001	7/29/91
2396	PCB 1248	17329		<0.0001	EPA505	0.0001	7/29/91
2398	PCB 1254	17329		<0.0001	EPA505	0.0001	7/29/91

2400	PCB 1260	7329	<0.0001	EPA505	0.0001	7/29/91
9089	Dioctylphthalate	17329	<0.001	EPA606	0.001	7/26/91

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	17329		<0.001	EPA604	0.001	7/26/91
9112	2-methyl-4,6-dinitophe	17329		<0.001	EPA604	0.001	7/26/91
9115	Phenol	17329		<0.001	EPA604	0.001	7/26/91
9116	2,4,6-trichlorophenol	17329		<0.001	EPA604	0.001	7/26/91

Comments:

PUBLIC DRINKING WATEF ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 5080318
Public Water System Name BURNT STORE
Public Water System Type (check one):
(X)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_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): 10-14-91
Laboratory Sample Number: 17994
Sample Location (be specific): R.U. Wells 5, 6 + 8
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: L. D. Ayers - Operator
813-639-0331

ANALYSIS INFORMATION
Extraction 10/23/91
Laboratory 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

Title Technical Director

Laboratory Flowers Chemical Laboratories,Inc.

Date 11/1/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 0 () 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	17994	.00002	<.000005	EPA504.1	.000005	10/17/91
2969	Para-dichlorobenzene	17994	.075	<0.001	EPA502.2	0.001	10/17/91
2976	Vinyl chloride	17994	0.001	<0.001	EPA502.2	0.001	10/17/91
2977	1,1-dichloroethene	17994	0.007	<0.001	EPA502.2	0.001	10/17/91
2980	1,2-dichloroethane	17994	0.003	<0.001	EPA502.2	0.001	10/17/91
2981	1,1,1-trichloroethane	17994	0.2	<0.001	EPA502.2	0.001	10/17/91
2982	Carbon tetrachloride	17994	0.003	<0.001	EPA502.2	0.001	10/17/91
2984	Trichloroethene	17994	0.003	<0.001	EPA502.2	0.001	10/17/91
2987	Tetrachloroethene	17994	0.003	<0.001	EPA502.2	0.001	10/17/91
2990	Benzene	17994	0.001	<0.001	EPA502.2	0.001	10/17/91

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	17994		<0.001	EPA502.2	0.001	10/17/91
2212	Dichlorodifluoromethane	17994		<0.001	EPA502.2	0.001	10/17/91
2214	Bromomethane	17994		<0.001	EPA502.2	0.001	10/17/91
2216	Chloroethane	17994		<0.001	EPA502.2	0.001	10/17/91
2218	Trichlorofluoromethane	17994		<0.001	EPA502.2	0.001	10/17/91
2224	trans-1,3,-dichloroprop	17994		<0.001	EPA502.2	0.001	10/17/91
2228	cis-1,3-dichloropropene	17994		<0.001	EPA502.2	0.001	10/17/91
2251	Methyl-tert-butylether	17994		<0.001	EPA502.2	0.001	10/17/91
2380	cis-1,2-dichloroethene	17994		<0.001	EPA502.2	0.001	10/17/91
2408	Dibromomethane	17994		<0.001	EPA502.2	0.001	10/17/91
2410	1,1-dichloropropene	17994		<0.001	EPA502.2	0.001	10/17/91
2412	1,3-dichloropropane	17994		<0.001	EPA502.2	0.001	10/17/91
2414	1,2,3-trichloropropane	17994		<0.001	EPA502.2	0.001	10/17/91
2416	2,2-dichloropropane	17994		<0.001	EPA502.2	0.001	10/17/91
2931	1,2-dibromo-3-chloropr	17994		<0.001	EPA502.2	0.001	10/17/91
2941	Chloroform	17994		<0.001	EPA502.2	0.001	10/17/91
2942	Bromoform	17994		<0.001	EPA502.2	0.001	10/17/91
2943	Bromodichloromethane	17994		<0.001	EPA502.2	0.001	10/17/91
2944	Dibromochloromethane	17994		<0.001	EPA502.2	0.001	10/17/91
2962	p-xylene	17994		<0.001	EPA502.2	0.001	10/17/91
2964	Methylene chloride	17994		<0.001	EPA502.2	0.001	10/17/91
2965	o-chlorotoluene	17994		<0.001	EPA502.2	0.001	10/17/91
2966	p-chlorotoluene	17994		<0.001	EPA502.2	0.001	10/17/91
2967	m-dichlorobenzene	17994		<0.001	EPA502.2	0.001	10/17/91
2968	o-dichlorobenzene	17994		<0.001	EPA502.2	0.001	10/17/91
2978	1,1-dichloroethane	17994		<0.001	EPA502.2	0.001	10/17/91
2979	trans-1,2-dichloroethyle	17994		<0.001	EPA502.2	0.001	10/17/91
2983	1,2-dichloropropane	17994		<0.001	EPA502.2	0.001	10/17/91
2985	1,1,2-trichloroethane	17994		<0.001	EPA502.2	0.001	10/17/91
2986	1,1,1,2-tetrachloroethar	17994		<0.001	EPA502.2	0.001	10/17/91
2988	1,1,2,2-tetrachloroethar	17994		<0.001	EPA502.2	0.001	10/17/91
2989	Chlorobenzene	17994		<0.001	EPA502.2	0.001	10/17/91

2991	Toluene	17994	<0.001	EPA502.2	0.001	10/17/91
2992	Ethylbenzene	17994	<0.001	EPA502.2	0.001	10/17/91
2993	Bromobenzene	17994	<0.001	EPA502.2	0.001	10/17/91
2995	m-xylene	17994	<0.001	EPA502.2	0.001	10/17/91
2996	Styrene	17994	<0.001	EPA502.2	0.001	10/17/91
2997	o-xylene	17994	<0.001	EPA502.2	0.001	10/17/91

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	17994		<.000001	EPA515	.000001	10/23/91
2036	Oxamyl (Vydate)	17994		<0.002	EPA531	0.002	10/31/91
2037	Simazine	17994		<0.007	EPA505	0.007	10/23/91
2040	Picloram	17994		<0.00007	EPA515	0.00007	10/23/91
2041	Dinoseb	17994		<0.00001	EPA515	0.00001	10/23/91
2043	Aldicarb sulfoxide	17994		<0.002	EPA531	0.002	10/31/91
2044	Aldicarb sulfone	17994		<0.002	EPA531	0.002	10/31/91
2045	Metolachlor	17994		<0.0005	EPA505	0.0005	10/23/91
2046	Carbofuran	17994		<0.001	EPA531	0.001	10/31/91
2047	Aldicarb	17994		<0.002	EPA531	0.002	10/31/91
2050	Atrazine	17994		<0.002	EPA505	0.002	10/23/91
2051	Alachlor (Lasso)	17994		<0.0002	EPA505	0.0002	10/23/91
2065	Heptachlor	17994		<.000005	EPA508	.000005	10/28/91
2356	Aldrin	17994		<0.00007	EPA508	0.00007	10/28/91
2364	Dieldrin	17994		<0.00001	EPA508	0.00001	10/28/91
2440	Dicamba	17994		<0.00001	EPA515	0.00001	10/23/91
2959	Chlordane	17994		<0.00001	EPA508	0.00001	10/28/91
9114	Pentachlorophenol	17994		<0.005	EPA515	0.005	10/23/91

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	Hexachlorocyclopentadien	17994		<0.001	EPA508	0.001	10/23/91
2063	Dioxin	17994		<0.00001	EPA613	0.00001	10/28/91
2262	Isophorone	17994		<0.001	EPA609	0.001	10/16/91
2270	2,4-dinitrotoluene	17994		<0.001	EPA609	0.001	10/16/91
2282	Dimethylphthalate	17994		<0.001	EPA606	0.001	10/16/91
2284	Diethylphthalate	17994		<0.001	EPA606	0.001	10/16/91
2290	Di-n-butylphthalate	17994		<0.001	EPA606	0.001	10/16/91
2294	Butyl benzyl phthalate	17994		<0.001	EPA606	0.001	10/16/91
2298	Bis(2-ethylhexyl)phthalt	17994		<0.001	EPA606	0.001	10/16/91
2378	1,2,4-trichlorobenzene	17994		<0.001	EPA612	0.001	10/16/91
2388	PCB 1016	17994		<0.0001	EPA505	0.0001	10/28/91
2390	PCB 1221	17994		<0.0001	EPA505	0.0001	10/28/91
2392	PCB 1232	17994		<0.0001	EPA505	0.0001	10/28/91
2394	PCB 1242	17994		<0.0001	EPA505	0.0001	10/28/91
2396	PCB 1248	17994		<0.0001	EPA505	0.0001	10/28/91
2398	PCB 1254	17994		<0.0001	EPA505	0.0001	10/28/91

2400	PCB_1260	17994		<0.0001	EPA505	0.0001	10/28/91
9089	Dioctylphthalate	17994		<0.001	EPA606	0.001	10/16/91

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	17994		<0.001	EPA604	0.001	10/16/91
9112	2-methyl-4,6-dinitophe	17994		<0.001	EPA604	0.001	10/16/91
9115	Phenol	17994		<0.001	EPA604	0.001	10/16/91
9116	2,4,6-trichlorophenol	17994		<0.001	EPA604	0.001	10/16/91

Comments:

PUBLIC DRINKING WATER ANALYSIS

December 01, 1991

BURNT STORE
SOUTHERN STATES UTILITIES
2200 Kings Highway Bldg. 3K
Port Charlotte Fl 33980

Public Water System I.D. Number: 5080318
Public Water System Type (check one):
(✓) Community () Non-community () Special Non-community

E. Q. Lab Certification Number: E85086 and HRS 85116
Parameter Groups Analyzed: _____
Subcontracted Lab Certification Number(if any): _____

Sample Date: October 24, 1991
E. Q. Lab I.D. : 91/9908/6026 Sample Number: 4252
Sample Location: DISTRIBUTION
Sample Type (check all applicable):
() Check (✓) Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well () Resample
() Special _____
Sampler Name, Title, Phone: L.D. AYERS - OPERATOR
(813) 639-0331

ANALYSIS INFORMATION
Laboratory Contact: _____
Resample Requested? () 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 are correct.

Ralph T. Montgomery Ph.D.
Laboratory Director
Environmental Quality Laboratory
Date: 12/2/91

DER/ACPEU Reviewing Official:

_____

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

ENVIRONMENTAL QUALITY LABORATORY
PUBLIC DRINKING WATER CHEMICAL ANALYSIS

Page#: 1
Customer: SOUTHERN STATES UTILITIES Report Date: 12/02/91

Sample Date: 10/24/91 E.Q.Lab ID: 91/9908/6026
Sample Location:

INORGANIC (mg/l)
17-550.310(1)
(PWS030)

Parameter ID	NAME	Sample Number	Loc. Code	Analysis Result	Analytical Method	Det.Lt. Used	Analysis Date
1005	ARSENIC	4252	2	< 0.0020	EPA 206.2	0.0020	11/11/91
1010	BARIUM	4252	2	0.0290	EPA 208.2	0.0100	10/28/91
1015	CADMIUM	4252	2	< 0.0800	EPA 213.2	0.0800	11/19/91
1020	CHROMIUM	4252	2	< 0.0210	EPA 218.2	0.0210	11/18/91
1025	FLUORIDE	4252	2	0.1880	EPA 340.2	0.1000	10/28/91
1030	LEAD	4252	2	< 0.0200	EPA 239.2	0.0200	11/18/91
1035	MERCURY	4252	2	< 0.0800	EPA 245.1	0.0800	11/01/91
1040	N03-N	4252	2	0.0362	EPA 353.2	0.0030	11/30/91
1045	SELENIUM	4252	2	< 0.0020	EPA 270.2	0.0020	11/19/91
1050	SILVER	4252	2	< 0.0300	EPA 272.2	0.0300	11/08/91
1052	SODIUM	4252	2	86.4000	EPA 273.1	0.3500	10/29/91

SECONDARY CHEMICAL (mg/l)
17-550.320
(PWS031)

Parameter ID	NAME	Sample Number	Loc. Code	Analysis Result	Analytical Method	Det.Lt. Used	Analysis Date
1016	Calcium-H as mg Ca	4252	2	45.7200	APHA 2340C	0.4000	10/28/91
1017	CHLORIDE	4252	2	166.8000	APHA 4500B	0.4000	10/29/91
1022	COPPER	4252	2	< 0.0060	EPA 220.2	0.0060	11/19/91
1028	IRON(AA)	4252	2	0.0400	EPA 236.1	0.0130	11/11/91
1032	MANGANESE	4252	2	< 0.0060	EPA 243.1	0.0060	11/20/91
1055	SULFATE	4252	2	38.7000	EPA 375.4	0.4000	10/28/91
1095	ZINC	4252	2	< 0.0040	EPA 289.1	0.0040	11/08/91
1905	COLOR (Color Units	4252	2	6.0000	EPA 110.2	1.0000	10/25/91
1920	ODOR (TON)	4252	2	2.0000	EPA 140.1	1.0000	10/25/91
1924	LAB pH (Units)	4252	2	10.0500	EPA 150.1	0.0500	10/25/91
1927	ALK-CaC03	4252	2	21.8400	APHA 2320B	0.4000	10/25/91
1930	T.D.SOLIDS	4252	2	350.0000	EPA 160.1	0.3000	10/31/91
1997	CORROSIVITY	4252	2	1.2668	APHA 2330B		11/30/91
2909	MBAS	4252	2	0.0510	EPA 425.1	0.0100	10/25/91

Note: Reported results not valid without accompanying signature page.
Comments:

ENVIRONMENTAL QUALITY LABORATORY
PUBLIC DRINKING WATER CHEMICAL ANALYSIS

Customer: SOUTHERN STATES UTILITIES
Report Date: 12/02/91

Sample Date: 10/24/91 E.Q.Lab ID: 91/9908/ 6026
Location Code: 2
Sample Location:

TRIHALOMETHANE (mg/l)
17-550.310(2)(c)
(PWS027)
Extraction Date:

Parameter ID	NAME	Sample Number	Analysis Result	Analytical Method	Det.Lt. Used	Analysis Date
2941	Chloroform	4252	0.001000	EPA 524.2	0.001000	11/01/91
2942	Bromoform	4252	0.028000	EPA 524.2	0.001000	11/01/91
2943	Bromodichloromethane	4252	<0.001000	EPA 524.2	0.001000	11/01/91
2944	Dibromochloromethane	4252	0.005000	EPA 524.2	0.001000	11/01/91
2950	TTHM	4252	0.033000	EPA 524.2	0.001000	11/01/91

ORGANIC CHEMICAL (mg/l)
17-550.310(2)(a)(b)
(PWS029)
Extraction Date:

Parameter ID	NAME	Sample Number	Analysis Result	Analytical Method	Det.Lt. Used	Analysis Date
2005	Endrin	4252	<0.039000	EPA 505	0.039000	11/14/91
2010	Lindane	4252	<0.033000	EPA 505	0.033000	11/14/91
2015	Methoxychlor	4252	<0.037000	EPA 608	0.037000	11/14/91
2020	Toxaphene	4252	<2.000000	EPA 505	2.000000	11/14/91
2105	2,4-D	4252	<6.000000	EPA 515	6.000000	11/13/91
2110	2,4,5-TP (Silvex)	4252	<0.270000	EPA 515	0.270000	11/13/91

Note: Reported results not valid without accompanying signature page.
Comments:

PUBLIC DRINKING WATER ANALYSIS

November 05, 1991

BURNT STORE
SOUTHERN STATES UTILITIES
2200 Kings Highway Bldg. 3K
Port Charlotte Fl 33980

Public Water System I.D. Number: 5080318
Public Water System Type (check one):
(X) Community () Non-community () Special Non-community

E. O. Lab Certification Number: E85086 and HRS 85116
Parameter Groups Analyzed: _____
Subcontracted Lab Certification Number(if any): _____

Sample Date: October 24, 1991
E. O. Lab I.D. : 91/9908/6025 Sample Number: 4251
Sample Location: ENTRY TO DISTRIBUTION
Sample Type (check all applicable):
() Check (X) Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well (X) Resample
() Special _____
Sampler Name, Title, Phone: L. D. Ayers Operator B-2405
(813) 639-0331

ANALYSIS INFORMATION
Laboratory Contact: _____
Resample Requested? () 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 are correct.

Ralph T. Montgomery Ph.D.
Laboratory Director
Environmental Quality Laboratory
Date: 11/5/91

DER/ACPHU Reviewing Official:

_____

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

RECEIVED NOV - 7 1991

ENVIRONMENTAL QUALITY LABORATORY
PUBLIC DRINKING WATER CHEMICAL ANALYSIS

Page#: 1
Customer: SOUTHERN STATES UTILITIES Report Date: 11/05/91

Sample Date: 10/24/91 E.Q.Lab ID: 91/9908/6025
Sample Location:

TURBIDITY (NTU)
17-550.310(3)

Parameter ID	NAME	Sample Number	Loc. Code	Analysis Result	Analytical Method	Det.Lt. Used	Analysis Date
100	TURBIDITY	4251	1	0.0200	EPA 180.1	0.0100	10/25/91

INORGANIC (mg/L)
17-550.310(1)

Parameter ID	NAME	Sample Number	Loc. Code	Analysis Result	Analytical Method	Det.Lt. Used	Analysis Date
1052	SODIUM	4251	1	90.5000	EPA 273.1	0.3500	10/28/91

Note: Reported results not valid without accompanying signature page.
Comments:

RECEIVED MAR 7 1991

PUBLIC DRINKING WATER ANALYSIS

December 01, 1991

BURNT STORE
SOUTHERN STATES UTILITIES
2200 Kings Highway Bldg. 3K
Port Charlotte Fl 33980

Public Water System I.D. Number: 5080318
Public Water System Type (check one):
(✓) Community () Non-community () Special Non-community

E. Q. Lab Certification Number: E85086 and HRS 85116
Parameter Groups Analyzed: Volatile Organic
Subcontracted Lab Certification Number(if any): 83141

Sample Date: November 07, 1991
E. Q. Lab I.D. : 91/9908/6095 Sample Number: 4551
Sample Location: DISTRIBUTION (4252)
Sample Type (check all applicable):
() Check (✓) Regular Distribution () Composite
() Clearance () Maximum Residence Time () Plant Tap
() Raw () Well () Resample
() Special
Sampler Name, Title, Phone: L.O. AYERS - OPERATOR
(813) 639-0331

ANALYSIS INFORMATION
Laboratory Contact:
Resample Requested? () 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 are correct.

Ralph T. Montgomery Ph.D.
Laboratory Director
Environmental Quality Laboratory
Date: 12/2/91

DER/ACPHU Reviewing Official:

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

ENVIRONMENTAL QUALITY LABORATORY
PUBLIC DRINKING WATER CHEMICAL ANALYSIS

Customer: SOUTHERN STATES UTILITIES
Report Date: 11/30/91

Sample Date: 11/07/91 E.Q.Lab ID: 91/9908/ 6095
Location Code: 2
Sample Location: DISTRIBUTION (4252)

VOLATILE ORGANIC (mg/l)
17-550.320(2)(d)
(PWS028)

Extraction Date:

Parameter ID	NAME	Sample Number	Analysis Result	Analytical Method	Det.Lt. Used	Analysis Date
2946	Ethylene dibromide	4551	<0.000020	EPA 504	0.000020	11/15/91
2969	Para-dichlorobenzene	4551	<0.000500	EPA 524.2	0.000500	11/13/91
2976	Vinyl chloride	4551	<0.000500	EPA 524.2	0.000500	11/13/91
2977	1,1,-dichloroethene	4551	<0.000500	EPA 524.2	0.000500	11/13/91
2980	1,2-dichloroethane	4551	<0.000500	EPA 524.2	0.000500	11/13/91
2981	1,1,1-trichloroethane	4551	<0.000500	EPA 524.2	0.000500	11/13/91
2982	Carbon tetrachloride	4551	<0.000500	EPA 524.2	0.000500	11/13/91
2984	Trichloroethene	4551	<0.000500	EPA 524.2	0.000500	11/13/91
2987	Tetrachloroethene	4551	<0.000500	EPA 524.2	0.000500	11/13/91
2990	Benzene	4551	<0.000500	EPA 524.2	0.000500	11/13/91

Note: Reported results not valid without accompanying signature page.
Comments:

Florida Department of Environmental Regulation
Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347
Lawton Chiles, Governor Carol M. Browner, Secretary

August 23, 1991

Sent to D.L.P 9-25 91

Southern States Utilities
2200 Kings Highway, Building 3K
Port Charlotte, Florida 33980

RE: Burnt Store R.O.
PWS-ID # 6080318
Charlotte County

Dear Sir:

Your radiological results of the sample taken on August 28, 1990, exceeded the maximum contaminant level for Gross Alpha. Please resample for Radium 226, and forward the results to the Department of Environmental Regulation, South District, Drinking Water Section, 2269 Bay Street, Ft. Myers, Florida 33901.

If you have any questions, contact me at 813/623-5561 Ext. 349.

Sincerely,

Peter Screnock
Environmental Specialist I
Drinking Water Section

PS/sem

cc: Charlotte CPHU
DER-South District

Post-it® brand fax transmittal memo 7671	# of pages ▸ 7
To Clare Dwyer	From SUE
Co. SSU	Co. SSU
Dept. Operations	Phone # (813) 743-6211
Fax # (407) 880-1061	Fax #

RECEIVED AUG 26 1991

Environmental Quality Laboratory Inc.

Port Charlotte Industrial Park
1009 Tamiami Trail
Port Charlotte FL 33953-1008

(813) 625-3137
FAX (813) 629-7467

September 18, 1991

SOUTHERN STATES UTILITIES
2200 Kings Highway Bldg. 3K
Port Charlotte Fl 33980

Attached are the results from 1 samples collected by you and sent to the Environmental Quality Laboratory for analysis. The EQ Lab identification number is 91/9908/5812; please refer to this number when requesting information regarding these data. Also, this letter should be attached to any data submitted by you to regulatory agencies.

The Laboratory is certified by DHRS for environmental analysis and drinking water analysis, ID # E85086 and 85116 respectively. In addition, an updated Generic Quality Assurance Plan for the lab has been filed with the FDER.

The Environmental Quality Laboratory is pleased to have served you and hopes to meet any future laboratory needs you may have.

Sincerely yours,

Ralph T. Montgomery, Ph.D
Laboratory Director

NOTE: RA226 analyses were performed by KNL Laboratories, HRS Cert. #E84025

RECEIVED SEP 23 1991

ENVIRONMENTAL QUALITY LABORATORY
SAMPLE ANALYSIS

Customer: SOUTHERN STATES UTILITIES
2200 Kings Highway Bldg. 3K

Sample Date: 08/28/91 Sample#: 3155 Page: 1
Station:
Sample Location: Distribution
Customer Project:

LABID: 91/ 9908/ 5812 Report Date: 09/18/91

Group	Analysis	Result	Units
Radiological			
	RA226	2.5 ±0.2	pCi/l

NOTE: REPORTED RESULTS NOT VALID WITHOUT ACCOMPANYING SIGNATURE PAGE.

RECEIVED SEP 23 1991

Environmental Quality Laboratory Inc.

Port Charlotte Industrial Park
1009 Tamiami Trail
Port Charlotte FL 33953-1008

(813) 625-3137
FAX (813) 629-7467

October 31, 1991

SOUTHERN STATES UTILITIES
2200 Kings Highway Bldg. 3K
Port Charlotte Fl 33980

Attached are the results from 1 samples collected by you and sent to the Environmental Quality Laboratory for analysis. The EQ Lab identification number is 91/9908/6025; please refer to this number when requesting information regarding these data. Also, this letter should be attached to any data submitted by you to regulatory agencies.

The Laboratory is certified by DHRS for environmental analysis and drinking water analysis, ID # E85086 and 85116 respectively. In addition, an updated Generic Quality Assurance Plan for the lab has been filed with the FDER.

The Environmental Quality Laboratory is pleased to have served you and hopes to meet any future laboratory needs you may have.

Sincerely yours,

Ralph T. Montgomery, Ph.D
Laboratory Director

1 of 24 Rec 3986

HRS

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

FOR LAB USE ONLY

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: PLANT STORE UTILITIES SYSTEM I.D. NO: 5080318 SYSTEM PHONE #: 813 639-03

ADDRESS: 501 2200 KINGS HIGHWAY 3K COUNTY: CHARLOTTE DER DISTRICT:

COLLECTOR: D MYERS COLLECTOR PHONE #: 639-0351

SAMPLE SITE (Locality or Subdivision): PLANT STORE MARINA & VILLAGE

DATE AND TIME COLLECTED: 12-3-91 9 AM 9:15 AM 9:30 AM

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

TYPE OF SAMPLE(Circle one): (Compliance) (Check Box) (4) Distribution (1) Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid ( ) Main clearance Well survey Other (Specify)

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RESID*	pH	ANALYSIS METHOD: SAMPLE NUMBER	MF NON COLIFORM	MTF *TOTAL	MMO-MUG CONFIRM TOTAL	PA CONFIRM FECAL
17	PLANT RAW	T 7.1		0.367		A		
18	CLUB #8 SOUTH SHORE	1.0	9.0	0.368		A		
19	1800 JUBAL CT.	1.0	9.0	0.369		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

SOUTHERN STATES UTILITIES
2200 KINGS HWY 3K
PORT CHARLOTTE FL 33980

RECEIVED DEC 11 1991

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

REVIEWING OFFICIAL: [signature]

TITLE: ES II

Carlton Village - 555

Lake County (SSU)

Water

- 1992 FPSC Filing -

Carlton Village

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

SSU SERVICES

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

May 3, 1991

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

Re: Morningview PWS ID #3350852
Friendly Center PWS ID #3350426
East Lake Harris PWS ID #3350322
Carlton Village PWS ID #3350152

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
District 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, Seacoast, Palm Coast, Port St. Lucie, Spring Hill, Tequesta, Venice Gardens Utilities

MORAK

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 # : 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

Carlton Village
PWS ID # 3350152

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Composite #1	1_COMP Composite Data For Samples
02 Trip Blank	PWS028 Volatile Organic Analysis
03 Method Blank	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.

Acting
LABORATORY DIRECTOR

Eric Malarek
QUALITY CONTROL

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3350152
Public Water System Name: Carlton Village
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: Plants
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 HEARBY CERTIFY that all data submitted is correct.

Signature Eric Malarek

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date 1/21/91

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
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 ethene			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	Picloram			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(mg/l)		Analytical Method	Det. Lt. Used	Analysis Date
2042	Hexachlorocyclo-pentadiene			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	Dinbutylphthalate			0.01000	U	EPA 625	0.01000	01/19/91
2294	Butyl benzyl phathalate			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	Dioctylonthalate			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(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-dinito 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
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(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 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(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 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 ethene			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(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	01/17/91
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-Base Neutral Extract

SAMPLE# 03A
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	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	Dinbutylphthalate			0.01000	U	EPA 625	0.01000	01/19/91
2294	Butyl benzyl phathalate			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 Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Acid Extractable

SAMPLE# 03A
MATRIX METHOD BLAN
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	01/19/91
9112	2-methyl-4,6-dinito 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 ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-18-1991

LAB SAMPLE # : 9101206-01A
ANALYSIS DATE : 01/18/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	64	64	60	60	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 : 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 : 01-23-1991

LAB SAMPLE # : 9101178-03A
ANALYSIS DATE : 01/23/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ALDICARB	100	0	117	117	108	108	8

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 : 01-20-1991

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	60	175	30	60	175	30
2,4,5-TP (silver)	60	175	30	60	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	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	128	128	85	85	34 *
4,4-DDT	100	0	114	114	86	86	28 *

COMMENTS : * = parameter outside QC limits; Due To Matrix Interference

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 : 01-18-1991

LAB SAMPLE # : 9101203-01A
ANALYSIS DATE : 01/17/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ALACHLOR	100	0	96	96	110	110	14

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	AMOUNT 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

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	AMOUNT 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

ORLANDO LABORATORIES, INC.
P.O. Box 149127, Orlando, FL 32814
(407) 896-5645 FAX (407) 898-5588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1

1 INVOICE TO (COMPANY AND INDIVIDUAL) / ADDRESS (CITY, STATE, ZIP)	2 CONTACT PERSON/PHONE # INVOICE	3 OLI WORK ORDER # (LAB USE)
S.S.U. Services 1000 Color Pl Apopka Fl.		9101206
4 ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) / ADDRESS (CITY, STATE, ZIP)	**5 CONTACT PERSON/PHONE # REPORT**	**6 RB NUMBER (LAB USE)**
AARON Perlowich		
7 (OPTIONAL) ADDITIONAL REPORTS SENT TO / ADDRESS (CITY, STATE, ZIP)		
8 CLIENT PROJECT NAME	**9 CLIENT PROJECT #**	

10 SAMPLE IDENTIFICATION	11 DATE/TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	17 NUMBER OF CONTAINERS	18 REQUESTED ANALYSIS: 175 V-O	19 REMARKS
Friendly Center	1/16 10[AM]			✓						Composite all 5 samples into 1 sample
Carlton Vil #1	1/16 10[AM]			✓						
Carlton Vil #2	1/16 10[AM]			✓						
Morning View	1/16 9[00]			✓						
East LK Harris	1/16 11[00]			✓						

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY
1st	Client	1/16 13:0[illegible]	[signature]
2nd			
3rd			

20 ADDITIONAL REMARKS	21 COOLER #'s

22 SAMPLER'S SIGNATURE

ORIGINAL - LAB

0392

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:

OSU
1000 Color Place
Apopka,FL 32703

Date Reported: Apr30 1991
PO Number: 111402

PO Number SSU
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE
Date Received: Apr19 1991

Lab Number : 16697

REPORT OF ANALYSIS

Carlton Village
2nd Qtr.

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16697
Ethylene dibromide	mg/L	0.000005	116	1.75	<0.000005
Paradichlorobenzene	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-trichloroethan	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	2.00	<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.

[illegible] E. Bruenig, Ph.D.
Technical Director

Page 1 of 1

Johnson L. Flowers, Ph.D.
Johnson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 160-597
ALTAMONTE SPRINGS
FLORIDA 32716-0597

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:

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 6. 3350152
Public Water System Name Carrion Village
Public Water System Type (check one):
(X)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 18697
Sample Location (be specific): well
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resampl
( )Special_____
Sampler Name, Title Phone: Lance Schreiber 880-0058 Ext 120
c/o FSU

ANALYSIS INFORMATION
Extraction Date __/__/__
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTED Turbidity___;Inorganic___; Trihalomethane ___;
Volatile Organic X; 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 Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () Satisfactory () Unsatisfactory

CHEMICAL LABORATORIES INCORPORATED

FDER Lab# E83816
FDHRS Lab# 85136
NCDEHNR Lab# 390
SCDHEC Lab# 96010

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1)Client	(2)Address	(3)Phone
SSU	1000 Color Place Apopka, FL. 32703	Don Corder 880-0100
(4)Public Drinking Water ID #	(5)Public Water System Name:	
(6)Project #	(8)Public Water System Type	
(7)PO# 111402	( ) Community ( ) Non-Community ( ) Special Non-Community	

(9)	Preservative		Plastic Containers						Glass Containers					NOTES: $75.22
	HNO3	ZnOAc/NaOH	60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L
15									X					

(8)Turn Around Time:
10 Working Days: ✓
5 Working Days :
3 Working Days :
1 Working Day :
Other :

please composite

(10)Kit Relinquished	(10)Date / (10)Time	(11)Kit Received	(11)Date / (11)Time

(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:

(13)Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic X;
Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Pugeable__;
Unregulated Organic Pesticide ; Unregulated Base Neutral Extractable ; Unregulated Acid Extractable ;

(14)Laboratory Number	(15)Client Sample Identification
16697	#1
	#2 Carlton Village -2
	#3 E. Lake Harris -1
	#4 Friendly Center -1
	#5 Morningview -1
	#6
	#7
	#8
	#9
	#10

		Date	Time
(16)Collectors Signature:	Lora Griffin	4-18-91	14:45
(17)Transporters Signature:	Joyce Griffin	4-18-91	14:45
(19)Lab Acceptance By:	Bonnie Bedard	4-18-91	14:45

OVER FOR INSTRUCTIONS FOR COMPLETION

SSU SERVICES

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

May 21, 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

Dear Ms. Carrasquillo,

In response to your letter dated May 7, 1991 requesting revised copies on the Volatile Organic analysis on the above plant, please find enclosed requested results.

Please enter this information into your records.

Sincerely,

SSU Services

Donald R. Corder

Don Corder
General Supervisor

DC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Jacksonville Orange Park Deltona Sanford Tampa Miami Miami Lakes Pine Ridge St. Augustine Spring Hill Tallahassee [illegible]

Florida Department of Environmental Regulation
Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767
Lawton Chiles, Governor
Carol M. Browner, Secretary

May 7, 1991

SSU Services
1000 Color Place
Apopka, FL 32703

OCD-PW-CE-91-0303

Attention: Mr. Charles Sweat

Lake County - PW
Carlton Village
PWS ID Number 3350152

Dear Mr. Sweat:

This acknowledges receipt of copies of volatile organics analysis results for samples collected on April 8, 1991, and performed by Flowers Chemical Laboratories.

These results are unacceptable since the sampling information indicated on the report is incomplete. Please resubmit revised copies indicating which wells were composited.

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

Your continued cooperation in our drinking water program will be appreciated.

Sincerely,

W. E. Darling
Monitoring Section Supervisor
Drinking Water
Compliance/Enforcement

WED/mc/jb

cc: Lake County Health Department

SSU SERVICES

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

Donald B. Corder

Don Corder
General Supervisor

DC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

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
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE
Date Received: Jul31 1991 Lab Number : 17419

REPORT OF ANALYSIS

Carlton Village

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17419
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-trichloroethan	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

Johnson L. Flowers, Ph.D.
Johnson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-0110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3350152
Public Water System Name: Carlton Village
Public Water System Type (check one):
(X)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 17419
Sample Location (be specific): #1 & #2 wells
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Lance Shneider

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 **Andrew B. Harrison**
Title **Laboratory Manager**
Laboratory **Flowers Chemical Laboratories,Inc.**
Date **8/7/91**

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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:

[redacted]

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-939

Attn: Don Calder

(1) Client: SSU Services | (2) Address | (3) Phone

(4) Public Drinking Water: NJ # | (5) Public Water System Name:

(6) Project # | (8) Public Water System Type

(7) PO# 23255 | ( ) Community ( ) Non-Community ( ) Special Non-Community

	Preservative			Plastic Containers						Glass Containers						NOTES:
		HNO3	ZnOAc+NaOH													(9) Turn Around Time:
				60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L	10 Working Days:
1)	Tc									X						5 Working Days :
						+										3 Working Days :
																1 Working Day :
																Other :

5 wells
PLZ Composite

(10) Kit Relinquished: | (10) Date | (11) Time | (12) Kit Received | (12) Date | (12) 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:

VOA → 1

555 Carlton Village, 562 East Lake Harris, 556 Friendly Center, 562 Mooring View. 557

(13) Parameter Group(s) Analyzed: Turbidity_; Inorganic_; Nitrate/nitrite_; Volatile Organic 24 Cyanide Chemical_; Secondary Chemical_; Radiological_; Unregulated Organic Purgeable_; Unregulated Organic Pesticide ; Unregulated Base Neutral Extractable ; Unregulated Acid Extractable ;

(14) Laboratory Number	(15) Client Sample Identification
17419	#1
	#2
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

		Date	Time
(16) Collectors Signature:	[signature]	7-31-91	15:45
(17) Transporters Signature:	[signature]	7-31-91	3:45
(18) Lab Acceptance By:	[signature]	7/31/91	

SSU
SERVICES

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

October 28, 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
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, ~~third~~ 4th 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

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Oct21 1991
PO Number: L114551
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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18035
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-trichloroethan	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 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 407 260-0110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3350152
Public Water System Name Carlton Village
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi 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 18035
Sample Location (be specific): #1 & 2 well
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special ___
Sampler Name, Title Phone: Lance Schreffler

ANALYSIS INFORMATION
Extraction Date ___/___/___
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ( )Yes (X) No
ANALYSIS SUBMITTED Turbidity___;Inorganic___; Trihalomethane ___;
Volatile Organic_X_; 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

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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

FDER Lab# E83018
FDHRS Lab# 87133
NELAC-FNR Lab# 286
SECHEC Lab# 96018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

ATTN: Don Corder

(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 #: PO# L114551

(8)Public Water System Type: [X] Community [ ] Non-Community [ ] Special Non-Community

	Preservative			Plastic Containers					Glass Containers						NOTES:
	HNO3	ZnOAC/NaOH		60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L	
(16) 15										X						

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

CARLTON VILLAGE (2 WELLS)
E.L.K. HARRIS (1 WELL)
FRIENDLY CENTER (1 WELL)
MORNINGVIEW (1 WELL)

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

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

(10)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 ·

(18)Laboratory Number	(11)Client Sample Identification
	#1
	#2
18035	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

(13)Collectors Signature: Brian Heath — Date: 10/16/91 — Time:
(14)Transporters Signature: — Date: 10-16-91 —
(15)Lab Acceptance By: — Date: 10/16/91 — Time: 3:00

Over for numbered instructions.

ORLANDO LABORATORIES INC

MDR.

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 91-01-203
Date Received: 01/16/91
Date Reported: 01/24/91
OLI Contact: L_BALTZLEY

Work ID: Carlton Village PWS ID# 3350152
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 #555 Well #1	PWS026 Turbidity Analysis
02 Method Blank	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 83141, Environmental Certification Number E83032

Respectfully Submitted.
ORLANDO LABORATORIES, INC.

Acting
LABORATORY DIRECTOR

Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3350152
Public Water System Name: Carlton Village
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: 91-01-203
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):
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 # 91-01-203

SAMPLE ID #555 Well #1
DATE COLLECTED 01/16/91 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			1.5	EPA 180.1	01/18/91

Comments: Resample attached

ORLANDO LABORATORIES,INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-203

SAMPLE ID #555 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	01/17/90
2010	Lindane			0.00005	U	EPA 608	0.00005	01/17/90
2015	Methoxychlor			0.00050	U	EPA 608	0.00050	01/17/90
2020	Toxaphene			0.00100	U	EPA 608	0.00100	01/17/90
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 # 91-01-203

SAMPLE ID #555 Well #1
DATE COLLECTED 01/16/91 10:00:00
TEST NAME Inorganic Analysis

SAMPLE# Q1A
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	01/17/91
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	01/18/91
1035	Mercury			<0.0005	EPA 245.1	0.0005	01/21/91
1040	Nitrate (as N)			0.87	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			4.20	EPA 200.7	0.001	01/18/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-203

SAMPLE ID #555 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			34.0	EPA 200.7	0.1	01/18/91
1017	Chloride			6.1	SM 407	1.0	01/22/91
1019	Carbonate CaCO3			NOT ANALYZED			
1021	Hydroxide CaCO3			NOT ANALYZED			
1022	Copper			<0.010	EPA 200.7	0.010	01/18/91
1023	Bicarbonate CaCO3			NOT ANALYZED			
1025	Fluoride			0.12	EPA 340.2	0.1	01/21/91
1026	Bicarbonate HCO3			NOT ANALYZED			
1027	Hydrogen Sulfide			NOT ANALYZED			
1028	Iron			<0.100	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			21	EPA 375.4	1.0	01/22/91
1095	Zinc			<0.050	EPA 200.7	0.050	01/18/91
1901	Carbon Dioxide			1.5	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			85.0	EPA 200.7	0.050	01/18/91
1917	NCH as CaCO3			NOT ANALYZED			
1920	Odor			1.0	EPA 140.1	1	01/18/91
1924	Field pH (units)			7.3			
1925	Lab pH (units)			8.11	EPA 150.1	N/A	01/18/91
1926	Field Conductivity			395			

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-203
Continued From Above

SAMPLE ID #555 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			97	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			7.88	CALC	N/A	01/22/91
1998	Saturation Index			0.23	CALC	N/A	01/22/91
1999	Stability Index			7.65	CALC	N/A	01/22/91
2909	Foaming Agents			<0.10	EPA 425.1	0.1	01/18/91
9996	Field OD			7.3			
9997	Field Chlorine			1.8			

Comments:

ORLANDO LABORATORIES,INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-203

SAMPLE ID #555 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(5)
(PWS033)

Parameter ID	Name	Sample Number	Analysis Result(pCi/l)	Analytical Method	Analysis Error	Analysis Date
4002	Gross Alpha		2.7	EPA 900.0	+/- 1.5	01/23/91
4006	Total Uranium		N/A			
4010	Total Radium		N/A			
4020	Radium-226		N/A			
4030	Radium-228		N/A			
4100	Gross Beta		2.3	EPA 900.0	+/- 1.2	01/23/91

Comments:

ORLANDO LABORATORIES,INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-203

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

SAMPLE# 02A
MATRIX METHOD BLA
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	01/17/90
2010	Lindane			0.00005	U	EPA 608	0.00005	01/17/90
2015	Methoxychlor			0.00050	U	EPA 608	0.00050	01/17/90
2020	Toxaphene			0.00100	U	EPA 608	0.00100	01/17/90
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:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 91-01-20
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	95	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	-	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.

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 (silvex)	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 (silvex)	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	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, [illegible]

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.
P.O. Box 14912 / Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page 1 of 1

1 INVOICE TO (COMPANY AND INDIVIDUAL) ADDRESS (CITY STATE ZIP): SSU Services 1000 Color Place Apopka FL 32703	2 CONTACT PERSON/PHONE # INVOICE:	3 OLI WORK ORDER # (LAB USE): 9101203
4 " " Aaron Pelonich 1000 Color Place " " "	5 CONTACT PERSON/PHONE # REPORT:	6 RB NUMBER (LAB USE): 2991
7 ADDITIONAL REPORTS TO (NAME, CITY, STATE, ZIP): Brian Hatch 300 N. Fern Dr. Leesburg FL 34748	17 NUMBER OF CONTAINERS	18 REQUESTED ANALYSIS: 135UF
8 PROJECT NAME	9 OLI JOB PROJECT #: Carlton Village	

10 SAMPLE IDENTIFICATION	11 DATE TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	REMARKS 19
#555 well #1	1-16-90 10:45am		X	X				X
#555 Dist.	1-16-90 10:45am		X	X				X

	14 RECEIVED BY	15 DATE TIME	16 ACCEPTED BY
1st	John D. Hawkcroft	1/16 1:00	Deedee Homan
2nd			
3rd			

20 ADDITIONAL REMARKS

21 COOLER #'s

22 SAMPLER'S SIGNATURE

0421

ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Aaron Perlowich

Work Order # : 91-03-091
Date Received: 03/07/91
Date Reported: 03/13/91
OLI Contact: L_BALTZLEY

Work ID: #555 Carlton Village PWS ID # 3350152
Total Samples: 1

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Carlton Village	TURB Turbidity (This is a raw sample)

Copy of results to:

Brian Heath
300 North Fern
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.

LABORATORY DIRECTOR

Eric Malarek
QUALITY CONTROL

ORLANDO LABORATORIES, INC.
Received: 03/07/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-03-091

SAMPLE ID	Carlton Village	SAMPLE #	01A
DATE COLLECTED	03/07/91 10:00:00	MATRIX	WATER

TURB	<0.50	NTU

Southern States Utilities
Attn: Aaron Perlowich

Report No: 91-03-091
Page: 3

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Turbidity	<1	NA	03/08/91	PFE

ORLANDO LABORATORIES, INC.
P.O. Box 148127, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD
(INSTRUCTIONS ON BACK)

Page 1 of 1

1 INVOICE TO (COMPANY AND INDIVIDUAL): SSU Sanitas Services	ADDRESS (CITY, STATE, ZIP): 1000 Color Place	2 CONTACT PERSON/PHONE # INVOICE: 880-0058	3 OLI WORK ORDER # (LAB USE): 910309 1
4 ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL): Aaron Pellowich	ADDRESS (CITY, STATE, ZIP): Apopka, Fla. 32703	5 CONTACT PERSON/PHONE # REPORT: 787-4501	6 RB NUMBER (LAB USE):
7 (OPTIONAL) ADDITIONAL REPORTS SENT TO: Brian Heath	ADDRESS (CITY, STATE, ZIP): 300 N Tuttle Lees, Fla 34748		
8 CLIENT PROJECT NAME: CARLTON VILLAGE #555	9 CLIENT PROJECT #: #555		

10 SAMPLE IDENTIFICATION	11 DATE/TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	17 NUMBER OF CONTAINERS	18 REQUESTED ANALYSIS: TURBIDITY	19 REMARKS
Carlton Village	3-7-91 10:20		X					1	X	

14 TRANSFER NUMBER	RELINQUISHED BY	15 DATE/TIME	ACCEPTED BY
1st	James Shuffle	3-7-91 11:30	Deedee Homan
2nd			
3rd			

20 ADDITIONAL REMARKS:

21 COOLER #'s:

22 SAMPLER'S SIGNATURE: Brian Heath

ORIGINAL - LAB

0425

HRS

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

I.D. NO. 13003

RECEIVED FOR LAB USE ONLY

DEC 12 1 18 PM '91

BY: D. KAZANIS

12/13

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Carlton Village #555 SYSTEM I.D. NO: 3350152 SYSTEM PHONE #: 800-432-4501

ADDRESS: Oak Ridge COUNTY: Lake DER DISTRICT: Central

COLLECTOR: John Havercost COLLECTOR PHONE #: 800-432-4501

SAMPLE SITE (Locality or Subdivision): Carlton Vill.

DATE AND TIME COLLECTED: 12-12-91 9:30 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) Repeat Replacement Main clearance Well survey Other _____ (Specify)
(Check Box)
[X] Distribution
[X] Raw
(Check Box)
[ ] THTC or Cl
[ ] Turbid
[ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
W-1	Well #1	0.0		053792		A		
W-2	Well #2	0.0		053793		A		
T-1	Tank	1.2		053794		A		
T-2	Tank	1.0		053795		A		
R-1	4013 Lk. Griffin	0.9		053796		A		
R-2	40434 Groy Airport	✓		053797		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

HRS Form 655, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 5740-000-0055-1)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU Services
1000 Color Place
Apopka, Fla.

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

REVIEWING OFFICIAL JR

TITLE: SE

Chuluota - 335

Seminole County (SSU)

Water

- 1992 FPSC Filing -

Chuluota

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

SSU SERVICES

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 Chuluota ID #3590186

Dear Ms. Carrasquillo,

Please find enclosed for your records, Primary Organics, Inorganics, Secondary Contaminants, Turbidity and Gross Alpha analysis for the Chuluota water plant.

We have noted that the M.C.L. for Turbidity and Manganese was exceeded in the initial analysis and resampling has been scheduled and will be resubmitted on completion.

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
Seminole County Environmental Regulation
Ralph Terrero
File

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590186
Public Water System Name Chulota Seminole Co
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyze Turbidity_X_;Inorganic_X_; Trihalomethane ___;
Volatile Organic___; Organic Chemical_X_; Secondary Chemical_X_; Radiological_X_;
Unregulated Organic Purgeable___; Unregulated Organic Pesticide___;
Unregulated Base Neutral Extractable___;Unregulated Acid Extractable___;
Subcontracted Lab Certification Numbe For Radiological Parameters: HRS~~82150~~ 82159

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 16523
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 4/1/91
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTEL 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 4/12/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA 01 Sample Interpretation (check one):
Effective 06/01/ () 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	16523	1	2.20	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	16523	0.05	<0.0005	EPA206.3	0.0005	4/2/91
1010	Barium	16523	1	.200	EPA208.1	0.01	3/29/91
1015	Cadmium	16523	0.01	.00100	EPA213.1	0.001	3/25/91
1020	Chromium	16523	0.05	<0.005	EPA218.1	0.005	3/27/91
1025	Fluoride	16523	4	.0593	EPA340.1	0.05	3/26/91
1030	Lead	16523	0.05	.0116	EPA239.2	0.001	3/29/91
1035	Mercury	16523	0.002	<0.0002	EPA245.1	0.0002	3/27/91
1040	Nitrate(as N)	16523	10	.163	EPA353.1	0.01	03-27-91
1045	Selenium	16523	0.01	<0.0005	EPA270.3	0.0005	4/2/91
1050	Silver	16523	0.05	<0.005	EPA272.1	0.005	4/1/91
1052	Sodium	16523	160	1.55	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	16523	0.0002	<.000001	EPA508	.000001	4/1/91
2010	Lindane	16523	0.004	<.000001	EPA508	.000001	4/1/91
2015	Methoxychlor	16523	0.1	<0.00001	EPA508	0.00001	4/1/91
2020	Toxaphene	16523	0.005	<0.0001	EPA508	0.0001	4/1/91
2105	2,4-D	16523	0.1	<0.00005	EPA515	0.00005	4/1/91
2110	2,4,5-TP(Silvex)	16523	0.01	<0.00002	EPA515	0.00002	4/1/91

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	16523		68.1	EPA215.1	0.1	3/29/91
1017	Chloride	16523	250	146	EPA300.0	0.015	03-25-91
1019	Carbonate CaCO3	16523		<0.1	SM314A	0.1	3/29/91
1021	Hydroxide CaCO3	16523		<0.1	SM406C	0.1	3/29/91
1022	Copper	16523	1	<0.005	EPA220.1	0.005	4/3/91
1023	Bicarbonate CaCO3	16523		<0.1	SM406C	0.1	3/29/91
1026	Carbonate Alkalinity	16523		<0.1	SM406C	0.1	3/29/91

1027	Hydrogen Sulfide	16523			EPA376.1	0.5		
1028	Iron	16523	0.3	.108	EPA236.1	0.01		3/27/91
1031	Magnesium	16523		12.4	EPA242.1	0.01		3/29/91
1032	Manganese	16523	0.05	.0580	EPA243.1	0.005		3/25/91
1055	Sulfate	16523	250	20.9	EPA300.0	0.200		3/28/91
1095	Zinc	16523	5	.00400	EPA289.1	0.001		4/3/91
1901	Carbon Dioxide	16523		<0.1	SM406C	0.1		3/29/91
1905	Color	16523	15	10.0	EPA110.1	5		3/27/91
1915	Total Hardness	16523		<0.1	SM314A	0.1		3/29/91
1917	NCH as CaCO3	16523		<0.1	SM314A	0.1		3/29/91
1920	Odor(TON)	16523	3	<1	EPA140.1	1		3/27/91
1924	Field pH	16523	6.5-8.5		EPA150.1	0.01		
1925	Lab pH	16523	6.5-8.5	7.29	EPA150.1	0.01		4/1/91
1926	Field Conductivity	16523			-	0.01		
1927	Total Alkalinity	16523		133	EPA310.1	0.1		3/29/91
1930	TDS	16523	500	469	EPA160.1	2.5		4/1/91
1931	Phenolphthalein Alk.	16523			EPA310.1	0.1		
1996	Field Temp. (C)	16523		<1	-		1	3/29/91
1997	Langelier Index	16523	-0.2:+0.2	<0.01	SM203	0.01		3/29/91
1998	Saturation Index	16523		<0.01	SM203	0.01		3/29/91
1999	Stability Index	16523		<0.01	SM203	0.01		3/29/91
2909	Foaming Agents	16523	0.5	<0.1	EPA425.1	0.1		4/1/91
9996	Field DO	16523			-	0.1		
9997	Field Chlorine	16523			-	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	16523	5	<1	EPA900	1	4/11/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD

CLIENT SSU	ADDRESS 1000 Glen Place	PHONE pH 880-0100
PROJECT NAME B91052	REQUIRED: ☐ Urgent ☐ Routine	DATE

QTY · Sample Containers	Preservative							Plastic Containers							Glass Containers						
	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	X										X										
1																			X		
1												X									
1	X										X										

NOTES: 4 Plastic 4 Samples

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

Parameters: Pb Diss Pac Sec GA

Laboratory Number	Client Identification/Description
16523	Dist. Water
	Calcote – Field Data: D.O. - 10 mg/l
	Temp 76°F
~~Hampton Harbor~~	Conductivity - 950
	pH 7.4
~~Lake Hamlet~~	Cl_2 1.5
~~Lake Brantley~~	

		Date	Time
Sample Collection			
Transportation			
Lab Acceptance		3/22/91	1:00

Page _____ of _____

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

481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597

SSU SERVICES

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

July 30, 1991

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

Re: Re-sample Analysis for Chuluota WTP
ID # 3590186

Dear Ms. Carrasquillo,

Please find enclosed, analysis results for Manganese and Turbidity for the Chuluota water treatment plant.

Your cooperation and assistance is appreciated.

Sincerely,

SSU Services

Sam Sparks
Division Manager

SS/jlm

cc: Charles Sweat
Frank Sanderson
Mel Fisher
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: Sam Sparks

Work Order # : 91-06-263
Date Received: 06/18/91
Date Reported: 06/25/91
OLI Contact: L_BALTZLEY

Work ID: 335 Chuluota W.P.
Samples collected by: Client
Total Samples: 1

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 #1	MN_ICP Manganese
	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 Halarek
QUALITY CONTROL

ORLANDO LABORATORIES,INC.
Received: 06/18/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-06-263

SAMPLE ID #1	SAMPLE # 01A
DATE COLLECTED 06/18/91 10:00:00	MATRIX WATER
MN_ICP <0.030 ug/l	TURB 1.11 NTU

Southern States Utilities
Attn: Sam Sparks

Report No: 91-06-263
Page No: 3

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Turbidity	5	N/A	06/19/91	RAW
Manganese	<1	95	06/19/91	TWB

ORLANDO LABORATORIES, INC.
P.O. Box 14912, Orlando, FL 32814
(407) 896-6645 FAX (407) 898-6588

CHAIN-OF-CUSTODY RECORD

(INSTRUCTIONS ON BACK)

Page ____ of ____

(1) INVOICE TO (COMPANY AND INDIVIDUAL) ADDRESS (CITY STATE ZIP) 1: Southern States Utilities, 1000 Color A, Apopka, 32703	CONTACT PERSON/PHONE # INVOICE 2: Sam Sparks	OLI WORK ORDER # (LAB USE) 3: 9106263
ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) ADDRESS (CITY STATE ZIP) 4: Same	CONTACT PERSON/PHONE # REPORT 5: 880-0055	RB NUMBER (LAB USE) 6
(OPTIONAL) ADDITIONAL REPORTS SENT TO ADDRESS (CITY STATE ZIP) 7	NUMBER OF CONTAINERS 17	REQUESTED ANALYSIS 18: VOA, BN/EXT, TPH, Metals
CLIENT PROJECT NAME 8: Chuluota W.P.	CLIENT PROJECT # 9: 355	

SAMPLE IDENTIFICATION 10	DATE/TIME 11	COMP 12	GRAB 12	WATER 12	SOIL 12	OTHER 12	SAMPLE DESCRIPTION 13	REMARKS 19
TWR	6/15-1000A		/	/				
MW	" "		/	/				

TRANSFER NUMBER	RELINQUISHED BY 14	DATE/TIME 15	ACCEPTED BY 16
1st	[signature]	6/15-1515	Kristi Hemrick
2nd			
3rd			

ADDITIONAL REMARKS 20: PO# 107592

COOLER #'s 21

SAMPLER'S SIGNATURE 22: [signature]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0438

ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, FL 32703

Attn: Sam Sparks

Work Order # : 91-06-211
Date Received: 06/13/91
Date Reported: 06/20/91
OLI Contact: L_BALTZLEY

Work ID: 335 Chuluota Water Resample
Samples collected by: Client
Total Samples: 4

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 1	MN_ICP Manganese
02 2	TURB Turbidity
03 3	
04 4	

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

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

for John Hobbs
LABORATORY DIRECTOR

Eric Malarek
QUALITY CONTROL

ORLANDO LABORATORIES,INC. REPORT OF ANALYSIS Work Order # 91-06-211
Received: 06/13/91 Results by Sample

SAMPLE ID 1	SAMPLE # 01A
DATE COLLECTED 06/11/91 13:00:00	MATRIX WATER
MN_ICP <0.030 mg/l	

SAMPLE ID 2	SAMPLE # 02A
DATE COLLECTED 06/12/91 10:00:00	MATRIX WATER
TURB <0.05 NTU	

SAMPLE ID 3	SAMPLE # 03A
DATE COLLECTED 06/13/91 10:00:00	MATRIX WATER
TURB 0.99 NTU	

SAMPLE ID 4	SAMPLE # 04A
DATE COLLECTED 06/13/91 10:00:00	MATRIX WATER
MN_ICP <0.030 mg/l	

Southern States Utilities
Attn: Sam Sparks

Report No: 91-06-211
Page No: 3

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Manganese	1	94	06/16/91	TWB
Turbidity	2	N/A	06/14/91	RG

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 _____ of _____

(INVOICE TO (COMPANY AND INDIVIDUAL) ADDRESS (CITY, STATE, ZIP) 1: Southern States Utilities, 1000 Color Pl, Apopka, 32703	CONTACT PERSON/PHONE # INVOICE 2: Sam Sparks
ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) ADDRESS (CITY, STATE, ZIP) 4: Same	CONTACT PERSON/PHONE # REPORT 5: 880-0058
(OPTIONAL) ADDITIONAL REPORTS SENT TO ADDRESS (CITY, STATE, ZIP) 7	OLI WORK ORDER # (LAB USE) 3: 9106211
CLIENT PROJECT NAME 8: Chuluota, Water Re-Samples	AB NUMBER (LAB USE) 6: 4284
CLIENT PROJECT # 9: 335	

10 SAMPLE IDENTIFICATION	11 DATE/TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	17 NUMBER OF CONTAINERS	18 REQUESTED ANALYSIS: Min Turbidity	19 REMARKS
1	6/11 100 P		X	X			Point of Entry		X	
2	6/12 10 00 A		X	X			" "			
3	6/13 10 00 A		X	X			" "		X	
4	6/13 10 00 A		X	X			" "			

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY
1st	[signature]	6/7 1110	
2nd	[signature]	6/13 1600	Ruth Hennuck
3rd			

20 ADDITIONAL REMARKS

21 COOLER #'s

22 SAMPLER'S SIGNATURE [signature]

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0442

SSU SERVICES

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

June 12, 1991

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

Re: Re-sample for Drinking Water Analysis

This letter is in response to a telephone conversation with Barbara Browning, Department of Environmental Regulation in Orlando this date. I am enclosing per her request, re-sample analysis which exceeded the MCL for the following systems:

Suncrest ID #8431413 - Manganese

Chuluota ID #3590186 - Turbidity & Manganese

Tropical Park #2 ID #3491958 - Manganese

Pine Ridge ID #3494292 - Manganese & Iron

Bay Lake Estates ID #3490090 - Manganese

Should you require any further information, please do not hesitate to contact me.

Your continued cooperation is greatly appreciated.

Sincerely,

SSU Services

Sam Sparks
Division Supervisor

cc: Charles Sweat
Clara Dozier
Mel Fisher
File

PUBLIC DRINKING WATE t ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 35 9019 6
Public Water System Name Cabulita
Public Water System Type (check one):
(X)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):
Laboratory Sample Number: 16881
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 (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 **Andrew B. Harrison**

Title **Laboratory Manager**

Laboratory **Flowers Chemical Laboratories,Inc.**

Date 5/16/91

DER /ACPHU Reviewing Offical:

_____

Mail Results to the
Appropriate DER or ACPHU Office:

_____
_____
_____
_____

PWSA.01 Sample Interpretation (check one):
Effective 0 () Satisfactory () Unsatisfactory

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3290186
Public Water System Name Ft. Hoyle
Public Water System Type (check one):
(X)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):
Laboratory Sample Number: 16882
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 (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 **Andrew B. Harrison**

Title **Laboratory Manager**

Laboratory **Flowers Chemical Laboratories,Inc.**

Date 5/16/91

Mail Results to the
Appropnate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

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	16881	1	.820	EPA180.1	0.05	5/15/91

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	16881			EPA215.1	0.1	
1017	Chloride	16881	250		EPA300.0	0.015	
1019	Carbonate CaCO3	16881			SM314A	0.1	
1021	Hydroxide CaCO3	16881			SM406C	0.1	
1022	Copper	16881	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	16881			SM406C	0.1	
1026	Carbonate Alkalinity	16881			SM406C	0.1	
1027	Hydrogen Sulfide	16881			EPA376.1	0.5	
1028	Iron	16881	0.3		EPA236.1	0.01	
1031	Magnesium	16881			EPA242.1	0.01	
1032	Manganese	16881	0.05	.279	EPA243.1	0.005	5/15/91
1055	Sulfate	16881	250		EPA300.0	0.200	
1095	Zinc	16881	5		EPA289.1	0.001	
1901	Carbon Dioxide	16881			SM406C	0.1	
1905	Color	16881	15		EPA110.1	5	
1915	Total Hardness	16881			SM314A	0.1	
1917	NCH as CaCO3	16881			SM314A	0.1	
1920	Odor(TON)	16881	3		EPA140.1	1	
1924	Field pH	16881	6.5-8.5		EPA150.1	0.01	
1925	Lab pH	16881	6.5-8.5		EPA150.1	0.01	
1926	Field Conductivity	16881			-	0.01	
1927	Total Alkalinity	16881			EPA310.1	0.1	
1930	TDS	16881	500		EPA160.1	2.5	
1931	Phenolphthalein Alk.	16881			EPA310.1	0.1	
1996	Field Temp. (C)	16881			-		1
1997	Langelier Index	16881	-0.2:+0.2		SM203	0.01	
1998	Saturation Index	16881			SM203	0.01	
1999	Stability Index	16881			SM203	0.01	
2909	Foaming Agents	16881	0.5		EPA425.1	0.1	
9996	Field DO	16881			-	0.1	
9997	Field Chlorine	16881			-	0.1	

Comments:

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	16882	1	2.10	EPA180.1	0.05	5/15/91

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	16882			EPA215.1	0.1	
1017	Chloride	16882	250		EPA300.0	0.015	
1019	Carbonate CaCO3	16882			SM314A	0.1	
1021	Hydroxide CaCO3	16882			SM406C	0.1	
1022	Copper	16882	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	16882			SM406C	0.1	
1026	Carbonate Alkalinity	16882			SM406C	0.1	
1027	Hydrogen Sulfide	16882			EPA376.1	0.5	
1028	Iron	16882	0.3		EPA236.1	0.01	
1031	Magnesium	16882			EPA242.1	0.01	
1032	Manganese	16882	0.05	.275	EPA243.1	0.005	5/15/91
1055	Sulfate	16882	250		EPA300.0	0.200	
1095	Zinc	16882	5		EPA289.1	0.001	
1901	Carbon Dioxide	16882			SM406C	0.1	
1905	Color	16882	15		EPA110.1	5	
1915	Total Hardness	16882			SM314A	0.1	
1917	NCH as CaCO3	16882			SM314A	0.1	
1920	Odor(TON)	16882	3		EPA140.1	1	
1924	Field pH	16882	6.5-8.5		EPA150.1	0.01	
1925	Lab pH	16882	6.5-8.5		EPA150.1	0.01	
1926	Field Conductivity	16882			-	0.01	
1927	Total Alkalinity	16882			EPA310.1	0.1	
1930	TDS	16882	500		EPA160.1	2.5	
1931	Phenolphthalein Alk.	16882			EPA310.1	0.1	
1996	Field Temp. (C)	16882			-		1
1997	Langelier Index	16882	-0.2:+0.2		SM203	0.01	
1998	Saturation Index	16882			SM203	0.01	
1999	Stability Index	16882			SM203	0.01	
2909	Foaming Agents	16882	0.5		EPA425.1	0.1	
9996	Field DO	16882			-	0.1	
9997	Field Chlorine	16882			-	0.1	

Comments:

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	16883	1	1.40	EPA180.1	0.05	5/15/91

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	16883			EPA215.1	0.1	
1017	Chloride	16883	250		EPA300.0	0.015	
1019	Carbonate CaCO3	16883			SM314A	0.1	
1021	Hydroxide CaCO3	16883			SM406C	0.1	
1022	Copper	16883	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	16883			SM406C	0.1	
1026	Carbonate Alkalinity	16883			SM406C	0.1	
1027	Hydrogen Sulfide	16883			EPA376.1	0.5	
1028	Iron	16883	0.3		EPA236.1	0.01	
1031	Magnesium	16883			EPA242.1	0.01	
1032	Manganese	16883	0.05	.403	EPA243.1	0.005	5/15/91
1055	Sulfate	16883	250		EPA300.0	0.200	
1095	Zinc	16883	5		EPA289.1	0.001	
1901	Carbon Dioxide	16883			SM406C	0.1	
1905	Color	16883	15		EPA110.1	5	
1915	Total Hardness	16883			SM314A	0.1	
1917	NCH as CaCO3	16883			SM314A	0.1	
1920	Odor(TON)	16883	3		EPA140.1	1	
1924	Field pH	16883	6.5-8.5		EPA150.1	0.01	
1925	Lab pH	16883	6.5-8.5		EPA150.1	0.01	
1926	Field Conductivity	16883			-	0.01	
1927	Total Alkalinity	16883			EPA310.1	0.1	
1930	TDS	16883	500		EPA160.1	2.5	
1931	Phenolphthalein Alk.	16883			EPA310.1	0.1	
1996	Field Temp. (C)	16883			-		1
1997	Langelier Index	16883	-0.2:+0.2		SM203	0.01	
1998	Saturation Index	16883			SM203	0.01	
1999	Stability Index	16883			SM203	0.01	
2909	Foaming Agents	16883	0.5		EPA425.1	0.1	
9996	Field DO	16883			-	0.1	
9997	Field Chlorine	16883			-	0.1	

Comments:

CHEMICAL LABORATORIES INCORPORATED

FDER LAB# 880018
FDHRS LAB# 88138
NCDEHNR LAB# 388
SCDHEC LAB# 98018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1)Client	(2)Address	(3)Phone
CSU		

(4)Public Drinking Water ID #

(5)Public Water System Name:

(6)Project # 335 Chukkota

(7)PO# 22691

(8)Public Water System Type
( ) Community ( ) Non-Community ( ) Special Non-Community

		Preservative		Plastic Containers						Glass Containers						(9)NOTES:
		HNO3	ZnOAc+NaOH	60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L	(10)Turn Around Time:
1	MA	X		X	X											10 Working Days:
																5 Working Days :
																3 Working Days :
																1 Working Day :
																Other

(11)Relinquished

(12)Date

(13)Time

(14)Received

(15)Date

(16)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:

(3) TB
MN

(17)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	(19)Client Sample Identification	
16881	#1	5/6 } MN ONLY
16882	#2	5/8 }
16883	#3	5/9
	#4	
	#5	
	#6	
	#7	
	#8	
	#9	
	#10	

	Date	Time
(20)Collectors Signature:		
(21)Transporters Signature:		
(22)Lab Acceptance By:	5/10/91	8:20

SEE FOR INSTRUCTIONS FOR COMPLETION

[redacted]

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL
Date Received: Mar12 1991

Lab Number : 16444

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16444
Ethylene dibromide	mg/L	0.000005	97.2	9.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	113	2.83	<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-trichloroethan	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	3.08	<0.001
cis-1,2-dichloroethe	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-trichloropropa	mg/L	0.001	108	10.7	<0.001
2,2-dichloropropane	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.

Jeffrey S. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
461 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-0119

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL
Date Received: Mar12 1991 Lab Number : 16444

REPORT OF ANALYSIS

Parameter	Unit	Metnod Detection Limit	%ACC	%PRC	16444
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	4.86	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	.760	<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	.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
1,1,2,2-tetrachloroe	mg/L	0.001	115	13.2	<0.001
Chlorobenzene	mg/L	0.001	101	1.37	<0.001
Toluene	mg/L	0.001	93.7	.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	.760	<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 (Vydate)	mg/L	0.002	101	16.3	<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 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

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# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL
Date Received: Mar12 1991 Lab Number : 16444

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16444
Dinoseb	mg/L	0.00001	108	.328	<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	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	99.8	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-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-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.

Technical Director

Johnson L. Flowers, Ph.D.
Johnson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6112

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# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WELL
Date Received: Mar12 1991 Lab Number : 16444

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16444
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	3.38	<0.001
2-chlorophenol	mg/L	0.001	94.9	7.03	<0.001
2-methyl-4,6-dinitop	mg/L	0.001	100	2.18	<0.001
Phenol	mg/L	0.001	100	.423	<0.001
2,4,6-trichlorophena	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

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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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: 7590196
Public Water System Name Chulota Water Plant
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi 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 15444
Sample Location (be specific): _____
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special _____
Sampler Name, Title Phone:_____
_____

ANALYSIS INFORMATION
Extraction Date 3/22/91
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 4/2/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	Dichlorodifluoromethan	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.-dichloroprop	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-chloropr	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-dichloroethyl	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-tetrachloroetha	16444		<0.001	EPA502.2	0.001	3/22/91
2988	1,1,2,2-tetrachloroetha	16444		<0.001	EPA502.2	0.001	3/22/91
2989	Chlorobenzene	16444		<0.001	EPA502.2	0.001	3/22/91

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L	Analytical Method	Det.Limit Used	Analysis Date
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		<.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	Hexachlorocyclopentadie	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	EPA606	0.001	4/1/91
2284	Diethylphthalate	16444		<0.001	EPA606	0.001	4/1/91
2290	Di-n-butylphthalate	16444		<0.001	EPA606	0.001	4/1/91
2294	Butyl benzyl phthalate	16444		<0.001	EPA606	0.001	4/1/91
2298	Bis(2-ethylhexyl)phthal	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	Dioctylphthalate	16444	<0.001	EPA606	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-dinitophe	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:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD

CLIENT	ADDRESS	PHONE
SSU Services	1000 Color Place Apopka FL 32703	880-0100
PROJECT NAME: B91052	REQUIRED: ☐ Urgent ☒ Routine	DATE 3/11/91

Sample Containers QTY	Preservative: HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	Plastic Containers: 60mL	125mL	250mL	500mL	1L	2L	Whirl-Pak Bag	Glass Containers: 40mL Vial	250mL	500mL	1L	2L	4L	NOTES:
1																			X	5 Wells 1 Sample
10														X						No AIR Bubbles

Kit Relinquished:	Date: 3/12/91 Time: 9:45	Kit Received:	Date: Time:

Parameters: PVOA Unres PVOA UNRegLit. ID #

Laboratory Number	Client Identification/Description
16444	Celeste Well 1 — 3590186
	Well 2 — "
	Harmony Homes Well 1 — 3590497
	Lake Harriet Well 1 — 3590699
	Lake Pinehy Well 1 — 3590685

		Date	Time
Sample Collection	3/11/91		
Transportation	Truck		
Lab Acceptance		3/12/91	9:45

Page _____ of _____

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

SSU
SERVICES

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

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# : 88139
FDER Lab# : EB3018
NCDEHNR Lab# : 394
SCDHEC Lab# : 96019

Port Water Sample
Date Received: Jun20 1991 Lab Number : 17194

REPORT OF ANALYSIS

Parameter	Units	Method Detection Limit	%ACC	%PRC	17194
Ethylene dibrom de	mg/L	0.000005	98.5	5.14	<0.000005
Benzotrichlorobenzene	mg/L	0.001	102	2.16	<0.001
[illegible] ether	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	98.8	4.28	<0.001
Trichloroethene	mg/L	0.001	99.7	3.98	<0.001
Tetrach oroethene	mg/L	0.001	96.0	3.69	0.001
Benzene	mg/L	0.001	94.9	1.68	0.001

Data Pe ease Author zation

Samp e integr ty and re iability certified by Lab personnel prior to analysis.
Methods of ana ys s i accordance with FCL 3A and EPA approved methodology.

Je-[illegible]n S. F[illegible]
Technical Director

Page 1 of 1

Jefferson L. Flowers, Ph.D
Jefferson S. Flowers, Ph.D
481 NEWBURYPORT
P.O. BOX 150 SAT
ALTAMONTE SPRINGS
FLORIDA 32714-0557
AC 407 [illegible]
TEL 407 [illegible]

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590186
Public Water System Name Chumuckla
Public Water System Type (check one):
(X)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 & #2 Wells
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special 2nd Qtr. VOC
Sampler Name, Title Phone: Greg Kent

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

Mail Results to the Appropnate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9( ) 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:

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

SAM SPARKS

DRINKING WATER 17-550

(1) Client: SSI
(2) Address: 1000 COLOR PLACE APOPKA, FL 32703
(3) Phone: 880-0058 X12
(4) Public Drinking Water ID #: 3590186
(5) Public Water System Name: Chuluota
(6) Project #: CHULUOTA
(7) PO#:
(8) Public Water System Type: X Community ( ) Non-Community ( ) Special Non-Community

(9) Lab #	Preservative: HNO3	Preservative: ZnOAc/NaOH	Plastic Containers: 60ml	125ml	250ml	500ml	1L	Wheaton 30ml	Glass Containers: 40ml	250ml	500ml	1L	2L	4L
6									X					

(10) Notes: Please composite w/ HARMONY HOMES LK. HARRIET LK. BEAUTY

(11) Relinquished: Ronnie Sebeck
(12) Date: 6-14-91
(13) Time: 9:21a
(14) Received
(15) Date
(16) Time

SAMPLE INFORMATION: SAMPLE DATE: MONTH 6 DATE 18 YEAR 91
SAMPLE TYPE (check all applicable): ( ) chlor. distribution ( ) composite, ( ) clearance, ( ) max residence time, ( ) plant tap, X raw, X well, ( ) resample _____, ( ) special _____
SAMPLER'S NAME: GREG KNUT TITLE: OPERATOR PHONE: 880-0058
SAMPLER'S SIGNATURE: [signature]
NOTES: CHULUOTA I.D.# 3590186

(17) 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 Extractible__

(4) Laboratory Number	(5) Client Sample Identification
	#1
	#2
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

		Date	Time
(6) Collector Signature:	[signature]	6/19/91	10:30a
(7) Transporter Signature:	Ronnie Sebeck	6/19/91	10:30a
(8) Lab Acceptance By:			

SSU
SERVICES

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

September 30, 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
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

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Sep20 1991
PO Number: B91051
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

Chulvoka

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17811
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.

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
ALTAMONTE SPRINGS
FLORIDA 32715-059?
BUS ACT 339-5FAX

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590194
Public Water System Name Chalmoda
Public Water System Type (check one):
(M)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 17811
Sample Location (be specific): MW2 wells - plant S. Lake
Sample Type (check all applicable):
( )Check ( )Regular Distribution (M)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(M)Raw (M)Well ( )Resample
( )Special___
Sampler Name, Title Phone: Don Corder - Supervisor - 996-0057

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: [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 Sample Interpretation (check one):
Effective 08 01 (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:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

FDER Lab# E82018
FDHRS Lab# 86139
NCCEHNR Lab# 234
SCCHEC Lab# 96018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

Don Corder

(1)Client: SSU
(2)Address: 1000 Color Place Apopka, FL 32703
(3)Phone: 880-0052
(4)Public Domain Water ID #:
(5)Public Water System Name:
(6)Project #:
(7)PO#: B91052
(8)Public Water System Type: [X] Community [ ] Non-Community [ ] Special Non-Community

	Preservative		Plastic Containers						Glass Containers						NOTES:
	HNO3	ZnAc/NaOH	60ml	125ml	250ml	500ml	1L	Whirl Pac Bag	40ml	250ml	500ml	1L	2L	4L	
(16)									X						

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

CHULUOTA (2 WELLS)
HARMONY HOMES (1 WELL)
LK HARRIET (1 WELL)
LK. BEANTLEY (1 WELL)

* TO BE COMPOSITED.

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

(10)Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic: X; 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
17811	#1
	#2
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

		Date	Time
(13)Collectors Signature:	Donald B. Corder	9-16-91	
(14)Transporters Signature:	Donald B. Corder	9-16-91	
(15)Lab Acceptance By:		9/16/91	3:49

Over for numbered instructions.

SSU
SERVICES

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: B91082
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

Chaluota 4th

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-trichloroethan	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

Johnson L. Flowers, Ph.D.
Johnson S. Flowers, Ph.D.
461 NEWBURYPORT
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: 3590196
Public Water System Name Chuluota
Public Water System Type (check one):
(X)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 18437
Sample Location (be specific): Plant - #1 & #2 wells
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: Jim Johnson - Operator - 880-0058

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 12/12/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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

FDER Lab# E83018
FDHRS LAb# 85139
NCDEHNR Lab# 256
SCDHEC Lab# 96019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1)Client	(2)Address	(3)Phone
S.S.U. Services	% 1000 Colon. Place Apopka FL 32703 4- Dori Conkle	880-0058 ext- 148

(4)Public Drinking Water ID # | (5)Public Water System Name: Composite See Below

(6)Project # Semi-Le | (8)Public Water System Type

(7)PO# B91052 | (X) Community ( ) Non-Community ( ) Social Non-Community

		Preservative		Plastic Containers						Glass Containers						NOTES:
		HNO3	ZnAc/NaOH	60ml	125ml	250ml	500ml	1L	Whirl Pac Bag	40ml	250ml	500ml	1L	2L	4L	(12)Turn Around Time: 10 Working Days: 5 Working Days : 3 Working Days : 1 Working Day : Other :
(16)	5	15								X						*-Chuluota (2) Harmony Homes Lk. Harriett Lk. Brantley B91052 Please composite

(17)Kit Relinquished: | (17)Date 12/5/91 (17)Time | (9)Kit Received | (9)Date (9)Time

(10)Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic X; Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Purgeable__; Unregulated Organic Pesticide__; Unregulated Base Neutral Extractable__; Unregulated Acid Extractable__

(18)Laboratory Number 18437 ✓

(11)Client Sample Identification

#1
#2
#3
#4
#5
#6
#7
#8
#9
#10

		Date	Time
(13)Collectors Signature:	[signature]	12/5/91	9:00 AM
(14)Transporters Signature:	[signature]	12/5/91	11:05 am
(15)Lab Acceptance By:	[signature]	12/5/91	11:05

Over for numbered instructions.

HRS

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

FOR LAB USE ONLY 2003
[illegible] RL
DEC 2 2 [illegible] 91
12/13

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: CHULUOTA SYSTEM I.D. NO: 3590186 SYSTEM PHONE #: 860-0058
ADDRESS: C/O 1000 Color pl., APOPKA COUNTY: Seminole DER DISTRICT: 03
COLLECTOR: Richard Eck COLLECTOR PHONE #: SAME
SAMPLE SITE (Locality or Subdivision): CHULUOTA
DATE AND TIME COLLECTED: 12/12/91 9:00 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)
~~[ ] Distribution~~
~~[ ] Raw~~
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	#1 WELL		7.2	[illegible]		A		
2	#2 WELL		7.2	[illegible]		A		
3	STORAGE TANK	1.5	7.2	[illegible]		A		
4	PRESSURE TANK	1.5	7.2	[illegible]5		A		
5	40 E 3RD	0.5	7.2	[illegible]6		A		
6	254 E 6TH	0.5	7.2	[illegible]7		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

HRS Form 666, Jan 84 (Obsolete previous editions which may not be used) (Stock Number 6160 000 1466-1)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. SERVICES, INC
1000 Color pl.
APOPKA, FL 32703

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

REVIEWING OFFICIAL: [signature]
TITLE: DFC

Citrus Park - 1117

Marion County (SSU)

Water

- 1992 FPSC Filing -

Citrus 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	8/90
Organic	8/90
Volatile Organic Chemicals	8/90
	12/90
	3/91
	6/91
Turbidity	8/90
Microbiological	12/91
Radionuclide	8/90
Secondary Contaminants	8/90
Unregulated Contaminants	8/90

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-663

1ST QTR
Full DRINKING
WATER -

System name: Citrus Park
System PWS ID#: 3420199

PUBLIC DRINKING WATER REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
System ID#: 3420199 System name: Citrus Park S/D

System Type: (check one)
[X] Community [ ] Non-community [ ] Special Non-community

LABORATORY CERTIFICATION INFORMATION
Certification number: 83166
Parameter groups analyzed: Inorganic, Secondary Chemical, Turbidity, Microbiology
Subcontracted Labs and certifiction numbers:
ABC Research 82135 and EL120
HRS Office of Radiation Control 13186

SAMPLE INFORMATION
Sample Date: 8/09/90 Sample Time: 1100
Laboratory Sample number: 9008091180
Sample Location: East & West Wells + 40th Ave & 22nd St.
Sample Type: (check all that apply)

[ ] Check	[X] Regular Distribution	[X] Composite
[ ] Clearance	[ ] Maximum Residence Time	[ ] Plant Tap
[X] Raw	[X] Well	[ ] Resample
[ ] Special		

Sampler Name, Title, and Phone: David Connors of Southern States Ut's, 904-689-6019

ANALYSIS INFORMATION
Laboratory Contact: William M. "Wally" Leslie
Resample Requested: (check one) [ ] YES [X] NO
Analyses Submitted: (check all that apply)

[X] Turbidity	[X] Inorganic	[ ] Trihalomethane
[X] Volatile Organic	[X] Organic Chemical	
[X] Secondary Chemical	[X] Radiological	
[X] Unregulated Organic Purgable		
[X] Unregulated Organic Pesticide		
[X] Unregulated Base Neutral Extractable		
[X] Unregulated Acid Extractable		

I do HEREBY CERTIFY that all data submitted are correct.

Lisa K Saupp

William M. Leslie or Lisa M. Saupp
Lab Director Chemist
AQUA PURE WATER and SEWAGE SERVICE, INC.

DER/ACPHU Reviewing Official: _____

Sample Interpretation: [ ] Satisfactory [ ] Unsatisfactory

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-663

System name: Citrus Park
System PWS ID#: 3420199

TURBIDITY ANALYSIS
(PWS026)

Contam. ID	PARAMETER	Sample Number	Analysis Result NTU	Method (CODE)	Det.Lt. Used NTU
0100	Turbidity	9008091180	0.05	214A	0.01

Comments: _____

INORGANIC ANALYSIS
(PWS030)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
1005	Arsenic	9008091180	<0.002	304	0.002
1010	Barium		<0.020	304	0.020
1015	Cadmium		<0.002	304	0.002
1020	Chromium		<0.010	304	0.010
1025	Fluoride		0.30	413B	0.05
1030	Lead		<0.005	304	0.005
1035	Mercury		<0.0002	I-3462-84	0.0002
1040	Nitrate (N)		<0.10	300.0	0.10
1045	Selenium		<0.002	304	0.002
1050	Silver		<0.002	304	0.002
1052	Sodium		5.11	303A	1.00

Comments: _____

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-663

System name: Citrus Park
System PWS ID#: 3420199

VOLATILE ORGANIC ANALYSIS
(PWS028)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
2946	Ethylene dibromide	9008091180	<0.00002	EPA 504	0.00002
2969	p-dichloro benzene		<0.0005	EPA 524	0.0005
2976	Vinyl chloride		<0.0005	EPA 524	0.0005
2977	1,1-dichloro ethene		<0.0005	EPA 524	0.0005
2980	1,2-dichloro ethane		<0.0005	EPA 524	0.0005
2981	1,1,1-tri chloroethane		<0.0005	EPA 524	0.0005
2982	Carbon Tetrachloride		<0.0005	EPA 524	0.0005
2984	Trichloro ethene		<0.0005	EPA 524	0.0005
2987	Tetrachloro ethene		<0.0005	EPA 524	0.0005
2990	Benzene		<0.0005	EPA 524	0.0005

Comments: These analyses were performed by ABC Research Lab # 82135 ; EPA 504 extraction date 8/15/90

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-663

System name: Citrus Park
System PWS ID#: 3420199

ORGANIC CHEMICAL ANALYSIS
(PWS028)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
2005	Endrin	9008091180	<0.0002	EPA 505	0.0002
2010	Lindane		<0.0002	EPA 505	0.0002
2015	Methoxychlor		<0.001	EPA 505	0.001
2020	Toxaphene		<0.005	EPA 505	0.005
2105	2,4-D		<0.001	EPA 615	0.001
2110	2,4,5-TP (Silvex)		<0.001	EPA 615	0.001

Comments: These analyses were performed by ABC Research Lab # 82135 ; EPA 505 extraction date = 8/15/90

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-563

System name: Citrus Park
System PWS ID#: 3420199

SECONDARY ANALYSIS
(PWS031)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
1016	Calcium	9008091180	78.9	303A	1.00
1017	Chloride		81.3	300.0	1.00
1019	Carbonate (as CaCO3)		0.62	406C	0.01
1021	Hydroxide (as CaCO3)		0.02	406C	0.01
1022	Copper		0.02	303A	0.01
1023	Bicarbonate (as CaCO3)		159.4	406C	0.01
1026	Bicarbonate (as HCO3)		159.4	203	0.01
1027	Hydrogen Sulfide		<0.01	427C	0.01
1028	Iron		<0.01	303A	0.01
1031	Magnesium		14.0	303A	0.10
1032	Manganese		<0.01	303A	0.01
1055	Sulfate		78.7	300.0	1.00
1095	Zinc		<0.01	303A	0.01
1901	Carbon Dioxide		7.65	406C	0.01
1905	Color (CU)		< 1 CU	204A	1 CU
1915	Total Hardness		254.7	314A	1.00
1917	NCH (as CaCO3)		94.7	314	1.00
1920	Odor (TON)		< 1 TON	207	1 TON
1924	Field pH		7.70	423	0.01 Unit

AQUA PURE WATER & SEWAGE SERVICE, INC.
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(904) 625-2822
FAX (904) 625-663

System name: Citrus Park
System PWS ID#: 3420199

SECONDARY ANALYSIS CONTINUED
(PWS031)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
1925	Lab pH	9008091180	7.62	423	0.01 Unit
1926	Field Conductivity		448	205	1 umhos/cm
1927	Total Alkalinity		160	403	0.50
1930	TDS		316	209B	2.00
1996	Temperature		24.2	212	0.10
1997	Langlier Index (pHs)		7.45	203	0.01
1998	Saturation Index (Corr. pH-pHs)		0.17	203	0.01
1999	Stability Index (2pHs-pH)		7.28	203	0.01
2909	Foaming Agents		<0.01	512B	0.01
9996	Field DO		4.7	421F	0.10
9997	Field Chlorine			408D	0.10

INTERPRETATION: [X] Stable [ ] Scale-Forming [ ] Corrosive

AQUA PURE WATER & SEWAGE SERVICE, INC.
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(904) 625-2822
FAX (904) 625-663

System name: Citrus Park
System PWS ID#: 3420199

RADIOLOGICAL ANALYSIS
(PWS033)

Contam. ID	PARAMETER	Sample Number	Analysis Result pCi/l	Analysis Error	Analysis Date
4000	Gross Alpha	9008091180	0.0	±1.0	08-24-90

Comments: This analysis was performed by HRS Safe Drinking Water Laboratory # 13186

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-663

System name: Citrus Park
System PWS ID#: 3420199

UNREGULATED ORGANIC PURGEABLE ANALYSIS
(PWS034)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
2210	Chloromethane	9008091180	<0.0005	EPA 524	0.0005
2212	Dichlorofluoro methane		<0.0005	EPA 524	0.0005
2214	Bromomethane		<0.0005	EPA 524	0.0005
2216	Chloroethane		<0.0005	EPA 524	0.0005
2218	Trichloro fluoromethane		<0.0005	EPA 524	0.0005
2224	trans-1,3-dichloropropene		<0.0005	EPA 524	0.0005
2228	cis-1,3-dichloropropene		<0.0005	EPA 524	0.0005
2251	Methyl tert-butyl-ether		<0.005	EPA 524	0.005
2380	cis-1,2-dichloroethene		<0.0005	EPA 524	0.0005
2408	Dibromomethane		<0.0005	EPA 524	0.0005
2410	1,1-Dichloro propene		<0.0005	EPA 524	0.0005
2412	1,3-dichloro propane		<0.0005	EPA 524	0.0005
2414	Trichloro propane		<0.0005	EPA 524	0.0005
2416	2,2-dichloro		<0.0005	EPA 524	0.0005
2931	1,2-Dibromo-3-chloropropane		<0.0005	EPA 524	0.0005
2941	Chloroform		<0.0005	EPA 524	0.0005
2942	Bromoform		<0.0005	EPA 524	0.0005

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-663

System name: Citrus Park
System PWS ID#: 3420199

UNREGULATED ORGANIC PURGEABLE ANALYSIS CONTINUED
(PWS034)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
2943	Bromodichloro methane	9008091180	<0.0005	EPA 524	0.0005
2944	Dibromochloro methane		<0.0005	EPA 524	0.0005
2962	p-Xylene		<0.0005	EPA 524	0.0005
2964	Methylene Chloride		<0.005	EPA 524	0.005
2965	2-Chloro toluene		<0.0005	EPA 524	0.0005
2966	4-Chloro toluene		<0.0005	EPA 524	0.0005
2967	m-Dichlro benzene		<0.0005	EPA 524	0.0005
2968	o-Dichloro benzene		<0.0005	EPA 524	0.0005
2978	1,1-Dichloro ethane		<0.0005	EPA 524	0.0005
2979	trans-1,2-dichloroethene		<0.0005	EPA 524	0.0005
2983	1,2-dichloro propane		<0.0005	EPA 524	0.0005
2985	1,1,2-trichloro ethane		<0.0005	EPA 524	0.0005
2986	1,1,1,2-Tetra chloroethane		<0.0005	EPA 524	0.0005
2988	1,1,2,2-Tetra chloroethane		<0.0005	EPA 524	0.0005
2989	Chlorobenzene		<0.0005	EPA 524	0.0005
2991	Toluene		<0.001	EPA 524	0.001

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-663

System name: Citrus Park
System PWS ID#: 3420199

UNREGULATED ORGANIC PURGEABLE ANALYSIS CONTINUED
(PWS034)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
2992	Ethyl benzene	9008091180	<0.0005	EPA 524	0.0005
2993	Bromobenzene		<0.0005	EPA 524	0.0005
2995	m-Xylene		<0.0005	EPA 524	0.0005
2996	Styrene		<0.0005	EPA 524	0.0005
2997	o-Xylene		<0.0005	EPA 524	0.0005

Comments: These analyses were peformed by ABC Research Lab # 82135

AQUA PURE WATER & SEWAGE SERVICE, INC.
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(904) 625-2822
FAX (904) 625-6636

System name: Citrus Park
System PWS ID#: 3420199

UNREGULATED ORGANIC PESTICIDE ANALYSIS
(PW8035)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
2031	Dalapon	9008091180	<0.050	EPA 515	0.050
2036	Oxamyl (Vydate)		<0.020	EPA 531	0.020
2037	Simazine		<0.010	EPA 505	0.010
2040	Picloram		<0.050	EPA 515	0.050
2041	Dinoseb		<0.050	EPA 515	0.050
2043	Aldicarb Sulfoxide		<0.020	EPA 531	0.020
2044	Aldicarb Sulfone		<0.020	EPA 531	0.020
2045	Metolachlor		<0.001	EPA 505	0.001
2046	Carbofuran		<0.020	EPA 531	0.020
2047	Aldicarb		<0.020	EPA 531	0.020
2050	Atrazine		<0.010	EPA 505	0.010
2051	Alachlor (Lasso)		<0.001	EPA 505	0.001
2065	Heptachlor		<0.0001	EPA 505	0.0001
2356	Aldrin		<0.0001	EPA 505	0.0001
2364	Dieldrin		<0.0001	EPA 505	0.0001
2440	Dicamba (Banvel)		<0.050	EPA 515	0.050
2959	Chlordane		<0.001	EPA 505	0.001
9114	Pentachloro phenol		<0.050	EPA 515	0.050

Comments: These analyses were performed by ABC Research Lab # 82135 ; EPA 505 extraction date = 8/15/90 & EPA 515 extraction date = 8/16/90.

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-5633

System name: Citrus Park
System PWS ID#: 3420199

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
(PWS035)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
2042	Hexchloro cyclopentadiene	9008091180	<0.005	EPA 625	0.005
2063	(Dioxin) 2,3,7,8 tetra-chloro-dibenzo-p-dioxin		Not Detected	EPA 625	NO D.L.
2262	Isophorone		<0.005	EPA 625	0.005
2270	2,4-Dinitro toluene		<0.005	EPA 625	0.005
2282	Dimethyl phthalate		<0.010	EPA 625	0.010
2284	Diethyl phthalate		<0.010	EPA 625	0.010
2290	Di-n-butyl phthalate		<0.010	EPA 625	0.010
2294	Butylbenzyl phthalate		<0.010	EPA 625	0.010
2298	Bis(2-ethylhexyl) phthalate		<0.010	EPA 625	0.010
2378	1,2,4-Tri chlorobenzene		<0.005	EPA 625	0.005
2388	PCB-1016		<0.001	EPA 505	0.001
2390	PCB-1221		<0.010	EPA 505	0.010
2392	PCB-1232		<0.005	EPA 505	0.005
2394	PCB-1242		<0.001	EPA 505	0.001
2396	PCB-1248		<0.001	EPA 505	0.001
2398	PCB-1254		<0.001	EPA 505	0.001
2400	PCB-1260		<0.001	EPA 505	0.001
9089	Dioctyl phthalate		<0.010	EPA 625	0.010

AQUA PURE WATER & SEWAGE SERVICE, INC.
P O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-5835

System name: Citrus Park
System PWS ID#: 3420199

UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
(PWS035)

Comments: These analyses were performed by ABC Research Lab # 82135

UNREGULATED ACID EXTRACTABLE ANALYSIS
(PWS035)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
9108	2-Chlorophenol	9008091180	<0.010	EPA 625	0.010
9112	2-Methyl-4,6-dinitrophenol		<0.030	EPA 625	0.030
9115	Phenol		<0.010	EPA 625	0.010
9116	2,4,6-Trichlorophenol		<0.010	EPA 625	0.010

Comments: These analyses were performed by ABC Research Lab # 82135.

Respectfully submitted by: Lisa K Saupp
W.M. "Wally" Leslie or Lisa K. Saupp — Lab Director / Chemist

Date: 9-12-90

2ND QTR. V.O. Dec. 90

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-6638

System name: Citrus Park
System PWS ID#: 3420199

PUBLIC DRINKING WATER REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
System ID#: 3420199 System name: Citrus Park

System Type: (check one)
[X] Community [ ] Non-community [ ] Special Non-community

LABORATORY CERTIFICATION INFORMATION
Certification number: 83166
Parameter groups analyzed: Inorganic, Secondary Chemical, Turbidity, Microbiology
Subcontracted Labs and certifiction numbers:
ABC Research 82135 and EL120

SAMPLE INFORMATION
Sample Date: 12/31/90 Sample Time: 1115
Laboratory Sample number: 9012312022
Sample Location: East and West Well COMPOSITE
Sample Type: (check all that apply)
[ ] Check [ ] Regular Distribution [X] Composite
[ ] Clearance [ ] Maximum Residence Time [ ] Plant Tap
[X] Raw [X] Well [ ] Resample
[ ] Special
Sampler Name, Title, and Phone: Mark March Operator (904) 625-1835

ANALYSIS INFORMATION
Laboratory Contact: William M. "Wally" Leslie
Resample Requested: (check one) [ ] YES [X] NO
Analyses Submitted: (check all that apply)
[ ] Turbidity [ ] Inorganic [ ] Trihalomethane
[X] 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.

William M. Leslie or Lisa K. Saupp
Lab Director Chemist
AQUA PURE WATER and SEWAGE SERVICE, INC.

DER/ACPHU Reviewing Official: _____

Samole Interpretation: [ ] Satisfactory [ ] Unsatisfactory

AQUA PURE WATER & SEWAGE SERVICE, INC.
P.O. Box 621 • Silver Springs, Florida 32688
(904) 625-2822
FAX (904) 625-6638

System name: Citrus Park
System PWS ID#: 3420199

VOLATILE ORGANIC ANALYSIS
(PWS028)

Contam. ID	PARAMETER	Sample Number	Analysis Result mg/l	Method (CODE)	Det.Lt. Used mg/l
2946	Ethylene dibromide	9012312022	<0.00002	EPA 504	0.00002
2969	p-dichloro benzene		<0.0005	EPA 524	0.0005
2976	Vinyl chloride		<0.0005	EPA 524	0.0005
2977	1,1-dichloro ethene		<0.0005	EPA 524	0.0005
2980	1,2-dichloro ethane		<0.0005	EPA 524	0.0005
2981	1,1,1-tri chloroethane		<0.0005	EPA 524	0.0005
2982	Carbon Tetrachloride		<0.0005	EPA 524	0.0005
2984	Trichloro ethene		<0.0005	EPA 524	0.0005
2987	Tetrachloro ethene		<0.0005	EPA 524	0.0005
2990	Benzene		<0.0005	EPA 524	0.0005

Comments: Analysis performed by ABC Research Lab : extraction dates EPA 504 = 01/04/91.

Respectfully submitted by: Lisa Kaupp
W.M. "Wally" Leslie Lab Director
or Lisa K. Saupp Chemist

Date: 02/12/91

3rd QTR , c
March 91

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3420199 & 3420408
Public Water System Name: Citrus Park & Salt Springs — 2nd on SALT SPRINGS
Public Water System Type (check one):
X (X)Commun ( )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): 03-13-91
Laboratory Sample Number 16477
Sample Location (be specific): Citrus Park Wells 1&2; Salt Springs Well # 1 (main) (2) Non-potable location
Sample Type (check all applicable):
( )Check ( )Regular Distribution X Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
X Raw X Well ( )Resample
( )Special
Sampler Name, Title Phone: MARK MARCH - Operator
904-547-1265

ANALYSIS INFORMATION
Extraction Date ___/___/___
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTEL 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 4/12/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () 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	16477	.00002	<.000005	EPA504.1	.000005	4/11/91
2969	Para-dichlorobenzene	16477	.075	<0.001	EPA502.2	0.001	4/11/91
2976	Vinyl chloride	16477	0.001	<0.001	EPA502.2	0.001	4/11/91
2977	1,1-dichloroethene	16477	0.007	<0.001	EPA502.2	0.001	4/11/91
2980	1,2-dichloroethane	16477	0.003	<0.001	EPA502.2	0.001	4/11/91
2981	1,1,1-trichloroethane	16477	0.2	<0.001	EPA502.2	0.001	4/11/91
2982	Carbon tetrachloride	16477	0.003	<0.001	EPA502.2	0.001	4/11/91
2984	Trichloroethene	16477	0.003	<0.001	EPA502.2	0.001	4/11/91
2987	Tetrachloroethene	16477	0.003	<0.001	EPA502.2	0.001	4/11/91
2990	Benzene	16477	0.001	<0.001	EPA502.2	0.001	4/11/91

Comments:

RC

Attn: Bill Locum

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

CHEMICAL LABORATORIES INCORPORATED

CLIENT	ADDRESS	PHONE
Marion Oaks Util.	14170 S.W. 39th Ave Rd Ocala, FL 32673	704 347 1265
PROJECT NAME:	REQUIRED: ☐ Urgent ☐ Routine	DATE 3-11-91

Sample Containers QTY	Preservative - HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	Plastic Containers 60mL	125mL	250mL	500mL	1L	2L	Whirl-Pak Bag	Glass Containers 40mL Vial	250mL	500mL	1L	2L	4L	NOTES:
21														X						

Kit Relinquished: Date: 3/11/91 Time: 10:30 am

Kit Received: Date: Time:

Parameters: (1) UOA

Lab #	Laboratory Number	Client Identification/Description
	#1, 2, 3	Damaris Village well #1
16476	4, 5, 6, 7, 8, 9	Rolling Oaks well #1 #2
	10, 11, 12, 13, 14, 15	Citrus Park well #1 #2
16477	16, 17, 18,	Pvt. Springs well #1

		Date	Time
Sample Collection:	Mark R. Ward	3-11-91	1:30 pm
Transportation	Bus	3-11-91	2:30 pm
Lab Acceptance		3/12/91	11:06

Page 1 of 1

Jefferson L. Rowers, Ph.D.
Jefferson S. Rowers, Ph.D.

351 Newburyport
P.O. Box 950597
Altamonte Springs
Florida 32715-0597
Bus 407 339-5984
Fax 407 260-6110

Daily Business Forms (407) 331-7332 4879 1-91

4th QTR V.O.

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 6420103, — 6424651 — 3420199
Public Water System Name Bahia Oaks, Samira Villas, Citrus Park
Public Water System Type (check one):
(X)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):

Bahia Oaks Wells #1 North, #2 South
Samira Villas Wells 1 of 1
Citrus Park Wells West, East

SAMPLE INFORMATION
Sample Date (MMDDYY): 06-14-91
Laboratory Sample Number 17182
Sample Location (be specific): See →
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special___
Sampler Name, Title Phone: David Connor Operator
904-347-1265

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 6/19/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	17182	.00002	<.000005	EPA504.1	.000005	6/18/91
2969	Para-dichlorobenzene	17182	.075	<0.001	EPA502.2	0.001	6/18/91
2976	Vinyl chloride	17182	0.001	<0.001	EPA502.2	0.001	6/18/91
2977	1,1-dichloroethene	17182	0.007	<0.001	EPA502.2	0.001	6/18/91
2980	1,2-dichloroethane	17182	0.003	<0.001	EPA502.2	0.001	6/18/91
2981	1,1,1-trichloroethane	17182	0.2	<0.001	EPA502.2	0.001	6/18/91
2982	Carbon tetrachloride	17182	0.003	<0.001	EPA502.2	0.001	6/18/91
2984	Trichloroethene	17182	0.003	<0.001	EPA502.2	0.001	6/18/91
2987	Tetrachloroethene	17182	0.003	<0.001	EPA502.2	0.001	6/18/91
2990	Benzene	17182	0.001	<0.001	EPA502.2	0.001	6/18/91

Comments:

State of Florida
Department of Health and Rehabilitative Services
Office of Laboratory Services
P.O. Box 210
Jacksonville, Florida 3223.

FOR LAB USE ONLY
GULFCOAST WATER & W.W. LAB.
5356 HWY. 19 S.
HOMOSASSA, FL. 32646
LAB. ID # 82349 JOHN PURDIN

12/11/91 K. SCHMIT

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Citrus Park SYSTEM I.D. NO: 3420199 SYSTEM PHONE #: 904-347-12
ADDRESS: S.E. 39 ST Ocala COUNTY: Marion DER DISTRICT: St F.
COLLECTOR: David Connor COLLECTOR PHONE #: 904-347-126
SAMPLE SITE (Locality or Subdivision): S/D
DATE AND TIME COLLECTED: 12-3-91 2:30 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) (Check Box) Repeat Replacement (Check Box) Main clearance Well survey Other _____ (Specify)
[ ] Distribution [ ] TNTC or C
[ ] Raw [ ] Turbid
REMARKS: [ ]

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF	MTF	NMO-MUG	PA	
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM*	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	East Well	0		2682 H		A		
2	West Well	0		2682 I		A		
3	Pressure Tank	1.2		2682 C		A		
4	4091 S.E. 22 Ave. APT A	1.5		2682 D		A		
5	1870 40 ST APT B	0.5		2682 E		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.M. Services
PO Box 11179
[illegible] FL 32577

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

REVIEWING OFFICIAL: JR

Citrus Springs Utilities - 9001

Citrus County (UFU)

Water

- 1992 FPSC Filing -

Citrus Springs

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	3/89
	6/89
	9/89
	12/89
Turbidity	2/90
Microbiological	12/91
Radionuclide	2/90
Secondary Contaminants	2/90
Unregulated Contaminants	2/90

ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

REPORT OF ANALYSIS

Citrus Springs Utilities
9840 North Citrus Spr. Blvd.
Citrus Springs, Fl 32630

Attn: Bill Yocum

Work Order # : 90-02-156
Date Received: 02/14/90
Date Reported: 03/01/90
OLI Contact: E_HOBBS

Work ID: 6090312 Dist. #28 Util. Yard
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Distribution #28	501R 17-550 Trihalomethanes
02 Method Blank	504R 17-550 "EDB" Analysis
	504U 17-550 "DBCP" Analysis
	524R DER 17-550 Regulated VOA's
	524U DER 17-550 Unregulated VOA
	531U DER 17-550 Unreg Pest 531s
	608R DER 17-550 Reg. Pest 608s
	608U DER 17-550 Unreg Pest 608s
	615R DER 17-550 Reg. Herb 615
	615U DER 17-550 Unreg Pest 615s
	622U DER 17-550 Unreg Pest 622s
	625U DER 17-550 Unreg BNAs/Pest
	DERBCT 17-550 Total Coliform Bact
	DERFLD 17-550 Field Data
	DERPDM 17-550 Primary Metals Only
	DERPDW 17-550 Primary WetChem
	DERSDM DER 17-5 Secondary Metals
	DERSDW DER 17-5 Secondary Wet Chm
	DERTRB 17-550 Turbidity Analysis
	DER_GA Gross Alpha (water)17-550

Total Coliform: Set date 02/14/90 at 1130 hours
Read date 02/15/90 at 1130 hours

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

espectfully Submitted,
ORLANDO LABORATORIES, INC.

Acting
LABORATORY DIRECTOR

Eric Halarek
QUALITY CONTROL

The Analytical Specialists

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
PC NAME 17-550 Trihalomethanes

SAMPLE# 01A
MATRIX WATER
TEST CODE 5010

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/16/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-501.2
TRIHALOMETHANE ANALYSIS
17-550.310(2)(C)
(PWS027)

Parameter ID	Name	Analysis Result	Det. Lt.
2950	TTHM	1.0 U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-136

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE 504E

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 02/14/90
DATE RUN 02/15/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
(PWS028)

Parameter ID	Name	Analysis Result	Det. Lt.
2946	Ethylene dibromide	0.02 U	0.02

ORLANDO LABORATORIES,INC.
Rec ved: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90 02 156

SA[illegible] ID Distribution #28
D[illegible] COLLECTED 02/13/90
T[illegible] NAME 17-550 "DBCP" Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE 504U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST JAB

DATE EXTRACTED 02/14/90
DATE RUN 02/15/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result	Det. Lt.
2931	1,2-dibromo-3-chloro propane	0.02 U	0.02

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-550 Regulated VOA's

SAMPLE# 016
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/16/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2963	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TF NAME DER 17-550 Unregulated VOA

SAMPLE# 01A
MATRIX WATER
TEST CODE 5241U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/16/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2210	Chloromethane	0.5	U	0.5
2212	Dichlorodifluoromethane	0.5	U	0.5
2214	Bromomethane	0.5	U	0.5
2216	Chloroethane	0.5	U	0.5
2218	Trichlorofluoromethane	0.5	U	0.5
2224	trans-1,3-Dichloro propene	0.5	U	0.5
2228	cis-1,3-Dichloropropene	0.5	U	0.5
2251	Methyl tert-butyl-ether	0.5	U	0.5
2380	cis-1,2-Dichloroethene	0.5	U	0.5
2408	Dibromomethane	0.5	U	0.5
2410	1,1-Dichloropropene	0.5	U	0.5
2412	1,3-Dichloropropane	0.5	U	0.5
2414	1,2,3-Trichloropropane	0.5	U	0.5
2416	2,2-Dichloropropane	0.5	U	0.5
2941	Chloroform	0.5	U	0.5
2942	Bromoform	0.5	U	0.5
2943	Bromodichloromethane	0.5	U	0.5
2944	Dibromochloromethane	0.5	U	0.5
2962	para-Xylene	0.5	U	0.5
2964	Methylene Chloride	0.5	U	0.5
2965	o-Chlorotoluene	0.5	U	0.5
2966	p-Chlorotoluene	0.5	U	0.5
2967	meta-Dichlorobenzene	0.5	U	0.5
2968	Ortho-Dichlorobenzene	0.5	U	0.5
2978	1,1-Dichloroethane	0.5	U	0.5
2979	trans-1,2-Dichloroethene	0.5	U	0.5
2983	1,2-Dichloropropane	0.5	U	0.5
2985	1,1,2-Trichloroethane	0.5	U	0.5
2986	1,1,1,2-Tetrachloro ethane	0.5	U	0.5
2988	1,1,2,2-Tetrachloro ethane	0.5	U	0.5
2989	Chlorobenzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156
Continued From Above

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-550 Unregulated VOA

SAMPLE # 01A
MATRIX WATER
TEST CODE 5241

2991	Toluene	0.5	U	0.5
2992	Ethylbenzene	0.5	U	0.5
2993	Bromobenzene	0.5	U	0.5
2995	meta-Xylene	0.5	U	0.5
2996	Styrene	0.5	U	0.5
2997	ortho Xylene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-158

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-550 Unreg Pest 531s

SAMPLE# 01A
MATRIX WATER
TEST CODE 531U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED NA
DATE RUN 02/14/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-531
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2036	Oxymyl (Vydate)	1.0	U	1.0
2043	Aldicarb Sulfoxide	2.0	U	2.0
2044	Aldicarb Sulfone	2.0	U	2.0
2046	Carbofuran	1.5	U	1.5
2047	Aldicarb	2.0	U	2.0

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-550 Req. Pest 608s

SAMPLE# 01A
MATRIX WATER
TEST CODE 608R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
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	0.10	U	0.10
2010	Lindane	0.05	U	0.05
2015	Methoxychlor	0.50	U	0.50
2020	Toxaphene	1.00	U	1.00

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-150

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-550 Unreg Pest 608a

SAMPLE# 01A
MATRIX WATER
TEST CODE GOSU

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2065	Heptachlor	0.05 U	0.05
2356	Aldrin	0.05 U	0.05
2364	Dieldrin	0.10 U	0.10
2959	Chlordane	0.50 U	0.50

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

Parameter ID	Name	Analysis Result	Det. Lt.
2388	PCB-1016	0.50 U	0.5
2390	PCB-1221	0.50 U	0.5
2392	PCB-1232	0.50 U	0.5
2394	PCB-1242	0.50 U	0.5
2396	PCB-1248	0.50 U	0.5
2398	PCB-1254	1.00 U	1.0
2400	PCB-1260	1.00 U	1.0

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-550 Reg. Herb 615

SAMPLE# 01A
MATRIX WATER
TEST CODE 615R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
DILUTION FACTOR 5
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2)(b)
(PWS029)

Parameter ID	Name	Analysis Result		Det. Lt.
2105	2,4-D	10	U	10
2110	2,4,5-TP (Silvex)	5	U	5

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-150

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-550 Unreg Pest 515s

SAMPLE# 01A
MATRIX WATER
TEST CODE 6150

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
DILUTION FACTOR 5
% MOISTURE NA

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

METHOD EPA-515.1
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2031	Dalapon	5 U	5
2040	Picloram	5 U	5
2041	Dinoseb	10 U	10
2440	Dicamba	10 U	10

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-550 Unreg Pest 622s

SAMPLE# 01A
MATRIX WATER
TEST CODE 622U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHW

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-622
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2037	Simazine	0.5	U	0.5
2045	Metolachlor	0.5	U	0.5
2050	Atrazine	0.5	U	0.5
2051	Alachlor (Lasso)	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-550 Unreg BNAs/Pest

SAMPLE# 01A
MATRIX WATER
TEST CODE 625U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED 2/16/90
DATE RUN 2/24/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-625
UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID	Name	Analysis Result	Det. Lt.
2262	Isophorone	10 U	10
2376	1,2,4-Trichlorobenzene	10 U	10
2042	Hexachlorocyclo pentadiene	10 U	10
2282	Dimethylphthalate	10 U	10
2270	2,4-Dinitrotoluene	10 U	10
2284	Diethylphthalate	10 U	10
2290	Di-n-butyl phthalate	10 U	10
2294	Butyl Benzyl Phthalate	10 U	10
2298	Bis(2-Ethylhexyl) phthalate	10 U	10
9089	Dioctylphthalate	10 U	10
2063	2,3,7,8-TCDD (Dioxin)	1000 U	1000

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

Parameter ID	Name	Analysis Result	Det. Lt.
9108	2-Chlorophenol	10 U	10
9112	2-Methyl-4,6-Dinitro phenol	50 U	50
9115	Phenol	10 U	10
9116	2,4,6-Trichlorophenol	10 U	10

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2326	Pentachlorophenol	50 U	50

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME 17-550 Total Coliform Bact

SAMPLE# 01A
MATRIX WATER
TEST CODE DCBBCI

MICROBIOLOGICAL ANALYSIS
17-550.640

Parameter ID	Name	Analysis Result(Cfu's/100ml)	Analytical Method
3000	Total Coliform	<1/L	EPA Part III B

Date Set Up: 02/14/90
Date Read : 02/15/90

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 30-02 196

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME 17-550 Field Data

SAMPLE# 01A
MATRIX WATER
TEST CODE DERFLD

SECONDARY CHEMICAL ANALYSIS FIELD DATA
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result	Method	Det.Lt.
1924	Field pH (units)	7.4	EPA150.1	N/A
1926	Field Conductivity (umhos)	NA	EPA120.1	1 umhos
1996	Field Temp. (C)	NA	EPA170.1	N/A
9996	Field DO	NA	EPA360.1	.2mg/l

Note: Date Analyzed is same as date collected.

ORLANDO LABORATORIES, INC. REPORT OF ANALYSIS Work Order # 90-02-156
Received: 02/14/90 Results by Sample

SAMPLE ID Distribution #28 SAMPLE# 01A
DATE COLLECTED 02/13/90 MATRIX WATER
TEST NAME 17-550 Primary Metals Only TEST CODE ORPDW

(METALS)
INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1005	Arsenic	<0.010	EPA206.2	0.010	02/21/90
1010	Barium	<0.100	EPA200.7	0.100	02/21/90
1015	Cadmium	<0.010	EPA213.2	0.005	02/21/90
1020	Chromium	<0.010	EPA218.2	0.010	02/22/90
1030	Lead	<0.010	EPA239.2	0.010	02/21/90
1035	Mercury	<0.0005	EPA245.1	0.0005	02/15/90
1045	Selenium	<0.005	EPA270.2	0.005	02/22/90
1050	Silver	<0.010	EPA272.2	0.010	02/21/90
1052	Sodium	4.61	EPA200.7	0.001	02/21/90

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME 17-550 Primary WetChem

SAMPLE# 01A
MATRIX WATER
TEST CODE DERPOW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1025	Fluoride	0.10	EPA340.2	0.1	02/19/90
1040	Nitrate (as N)	0.23	EPA353.2	0.03	02/19/90

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-1561

SAMPLE ID: Distribution #28
DATE COLLECTED: 02/13/90
TEST NAME: DER 17-5 Secondary Metals

SAMPLE#: 01A
MATRIX: WATER
TEST CODE: DERSDM

(METALS)
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1022	Copper	<0.010	EPA200.7	0.010	02/23/90
1028	Iron	<0.100	EPA200.7	0.1	02/23/90
1032	Manganese	<0.050	EPA200.7	0.050	02/21/90
1095	Zinc	<0.050	EPA200.7	0.050	02/21/90
1919	Calcium Hardness	113	EPA200.7	2.5	02/21/90

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME DER 17-5 Secondary Wet Chm

SAMPLE# 01A
MATRIX WATER
TEST CODE DERSDW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1017	Chloride	3.0	SM 407	1.0	02/19/90
1025	Fluoride	0.10	EPA340.2	0.1	02/19/90
1055	Sulfate	27	EPA375.4	1.0	02/20/90
1901	Carbon Dioxide	1.6	SM 406 C	1.0	02/22/90
1905	Color	<5.0	SM 204 A	5PCU	02/16/90
1920	Odor Threshold	1.0	EPA140.1	1TON	02/16/90
1927	Total Alkalinity	170	EPA310.1	2.0	02/16/90
1930	Total Dissolved Solids	190	EPA160.1	1.0	02/21/90
1931	Phenolphthalein Alk	<2.0	EPA310.1	2.0	02/16/90
1997	Langelier Index pHs	7.5	CALC.	N/A	02/22/90
1998	Saturation Index	0.6	CALC.	N/A	02/22/90
2909	Foaming Agents	<0.1	EPA425.1	0.1	02/16/90

VERIFIED BY SRK

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Distribution #28
DATE COLLECTED 02/13/90
TEST NAME 17-550 Turbidity Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE 0LR1RB

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID	Name	Analysis Result(NTU)	Method	Analysis Date
0100	Turbidity	<1.0	EPA180.1	02/16/90

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Under # [illegible]

SAMPLE ID: Distribution #28
DATE COLLECTED: 02/13/90
TEST NAME: Gross Alpha (water)17-550

SAMPLE#: 01A
MATRIX: WATER
TEST CODE: DER GA

VERIFIED JAB

RADIOLOGICAL ANALYSIS
17-550.310(5)
(PWS033)

Parameter ID	Name	Analysis Result(pCi/l)	Method	Analysis Error	Analysis Date
4002	Gross alpha incl radon & uranium	<0.5	EPA900.0	1.3	02/27/90

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME 17-550 Trihalomethanes

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE 501R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/16/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-501.2
TRIHALOMETHANE ANALYSIS
17-550.310(2)(C)
(PWS027)

Parameter ID	Name	Analysis Result		Det. Lt.
2950	TTHM	1.0	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 02/14/90
DATE RUN 02/15/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2946	Ethylene dibromide	0.02	U	0.02

ORLANDO LABORATORIES,INC.
Rec ed: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Method Blank
DATE COLLECTED not specified
TES AME 17-550 "DBCP" Analysis

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE 50411

DATE EXTRACTED 02/14/90
DATE RUN 02/15/90
DILUTION FACTOR 1
% MOISTURE NA

SAMPLE TYPE WATER
UNITS UG/L
ANALYST JAB

METHOD EPA-504
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.41D(1)
(PNS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2931	1,2-dibromo-3-chloro propane	0.02	U	0.02

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME OER 17-550 Regulated VOA's

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/16/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2969	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unregulated VOA

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE 524U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/16/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2210	Chloromethane	0.5	U	0.5
2212	Dichlorodifluoromethane	0.5	U	0.5
2214	Bromomethane	0.5	U	0.5
2216	Chloroethane	0.5	U	0.5
2218	Trichlorofluoromethane	0.5	U	0.5
2224	trans-1,3-Dichloro propene	0.5	U	0.5
2228	cis-1,3-Dichloropropene	0.5	U	0.5
2251	Methyl tert-butyl-ether	0.5	U	0.5
2380	cis-1,2-Dichloroethene	0.5	U	0.5
2408	Dibromomethane	0.5	U	0.5
2410	1,1-Dichloropropene	0.5	U	0.5
2412	1,3-Dichloropropane	0.5	U	0.5
2414	1,2,3-Trichloropropane	0.5	U	0.5
2416	2,2-Dichloropropane	0.5	U	0.5
2941	Chloroform	0.5	U	0.5
2942	Bromoform	0.5	U	0.5
2943	Bromodichloromethane	0.5	U	0.5
2944	Dibromochloromethane	0.5	U	0.5
2962	para-Xylene	0.5	U	0.5
2964	Methylene Chloride	0.5	U	0.5
2965	o-Chlorotoluene	0.5	U	0.5
2966	p-Chlorotoluene	0.5	U	0.5
2967	meta-Dichlorobenzene	0.5	U	0.5
2968	Ortho-Dichlorobenzene	0.5	U	0.5
2978	1,1-Dichloroethane	0.5	U	0.5
2979	trans-1,2-Dichloroethene	0.5	U	0.5
2983	1,2-Dichloropropane	0.5	U	0.5
2985	1,1,2-Trichloroethane	0.5	U	0.5
2986	1,1,1,2-Tetrachloro ethane	0.5	U	0.5
2988	1,1,2,2-Tetrachloro ethane	0.5	U	0.5
2989	Chlorobenzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-1[illegible]
Continued From Above

SAMPLE ID: Method Blank
DATE COLLECTED: not specified
TEST NAME: OER 17-550 Unregulated VOA

SAMPLE#: 02A
MATRIX: METHOD BLANK
TEST CODE: 5241U

2991	Toluene	0.5	U	0.5
2992	Ethylbenzene	0.5	U	0.5
2993	Bromobenzene	0.5	U	0.5
2995	meta-Xylene	0.5	U	0.5
2996	Styrene	0.5	U	0.5
2997	ortho Xylene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-L56

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unreg Pest 531s

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE 5311

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED NA
DATE RUN 02/14/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-531
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2036	Oxymyl (Vydate)	1.0	U	1.0
2043	Aldicarb Sulfoxide	2.0	U	2.0
2044	Aldicarb Sulfone	2.0	U	2.0
2046	Carbofuran	1.5	U	1.5
2047	Aldicarb	2.0	U	2.0

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-153

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Reg. Pest 608s

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE 608R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
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	0.10	U	0.10
2010	Lindane	0.05	U	0.05
2015	Methoxychlor	0.50	U	0.50
2020	Toxaphene	1.00	U	1.00

ORLANDO LABORATORIES, INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unreg Pest 608s

SAMPLE# 0X0
MATRIX METHOD BLANK
TEST CODE 608U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2065	Heptachlor	0.05	U	0.05
2356	Aldrin	0.05	U	0.05
2364	Dieldrin	0.10	U	0.10
2959	Chlordane	0.50	U	0.50

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

Parameter ID	Name	Analysis Result		Det. Lt.
2383	PCB-1016	0.50	U	0.5
2390	PCB-1221	0.50	U	0.5
2392	PCB-1232	0.50	U	0.5
2394	PCB-1242	0.50	U	0.5
2396	PCB-1248	0.50	U	0.5
2398	PCB-1254	1.00	U	1.0
2400	PCB-1260	1.00	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-146

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Reg. Herb 615

SAMPLE# OCA
MATRIX METHOD BLANK
TEST CODE 615P

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2)(b)
(PWS029)

Parameter ID	Name	Analysis Result		Det. Lt.
2105	2,4-D	2.0	U	2
2110	2,4,5-TP (Silvex)	1.0	U	1

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-195

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unreg Pest 515s

SAMPLE# 0CA
MATRIX METHOD BLANK
TEST CODE 515U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-515.1
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2031	Daiapon	1.0 U	1
2040	Picloram	1.0 U	1
2041	Dinoseb	2.0 U	2
2440	Dicamba	2.0 U	2

ORLANDO LABORATORIES,INC.
Re ved: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-154

SAMPLE ID Method Blank
DATE COLLECTED not specified
TE NAME DER 17-550 Unreg Pest 622s

SAMPLE# 02A
MATRIX METHOD BLANK
TEST CODE 02291

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHN

DATE EXTRACTED 02/19/90
DATE RUN 02/20/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-622
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2037	Simazine	0.5	U	0.5
2045	Metolachlor	0.5	U	0.5
2050	Atrazine	0.5	U	0.5
2051	Alachlor (Lasso)	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/14/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-156

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unreg BNAs/Pest

SAMPLE# DBA
MATRIX METHOD BLANK
TEST CODE 625U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED 2/16/90
DATE RUN 2/24/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-625
UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID	Name	Analysis Result	Det. Lt.
2262	Isophorone	10 U	10
2378	1,2,4-Trichlorobenzene	10 U	10
2042	Hexachlorocyclo pentadiene	10 U	10
2282	Dimethylphthalate	10 U	10
2270	2,4-Dinitrotoluene	10 U	10
2284	Diethylphthalate	10 U	10
2290	Di-n-butyl phthalate	10 U	10
2294	Butyl Benzyl Phthalate	10 U	10
2298	Bis(2-Ethylhexyl) phthalate	10 U	10
9089	Dioctylphthalate	10 U	10
2063	2,3,7,8-TCDD (Dioxin)	1000 U	1000

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

Parameter ID	Name	Analysis Result	Det. Lt.
9108	2-Chlorophenol	10 U	10
9112	2-Methyl-4,6-Dinitro phenol	50 U	50
9115	Phenol	10 U	10
9116	2,4,6-Trichlorophenol	10 U	10

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2326	Pentachlorophenol	50 U	50

Citrus Springs Utilities
Attn: Bill Yocum

Report No: 90-02-156
Page No: 36

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Turbidity	4	N/A	02/16/90	DB
Odor	<1	N/A	02/16/90	DB
Color	<1	N/A	02/16/90	DB
pH	<1	N/A	02/16/90	DB
Total Alkalinity	1	78	02/16/90	DB
Nitrogen, Nitrate	<1	98	02/19/90	DR
Fluoride	7	113	02/19/90	SRK
Chloride	<1	99/99	02/19/90	DA
Sulfate	3	97	02/20/90	DA
TDS	1	93/92	02/21/90	DA
Silver	8	100	02/16/90	CJP
Arsenic	6	98	02/17/90	CJP
Mercury	2	99	02/15/90	BH
Barium	<1	103	02/21/90	BB
Cadmium	<1	102	02/21/90	BB
Sodium	2	100	02/21/90	BB
Iron	<1	109	02/21/90	BB
Manganese	<1	110	02/21/90	BB
Zinc	<1	105	02/21/90	BB
Calcium	<1	91	02/21/90	BB
Lead	<1	106	02/21/90	CFG
Chromium	<1	94	02/22/90	CJP
Selenium	<1	92	02/22/90	CFG
Copper	3	102	02/23/90	CJP
Gross Alpha	0.0	9.1	02/27/90	JAB

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

ORLANDO LABORATORIES INC.

GC/MS SEMI-VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-25-1990

LAB SAMPLE # : 9002156-1
ANALYSIS DATE : 2/24/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
phenol	200	0	69	35	73	37	6
2-chlorophenol	200	0	175	88	166	83	5
4-chloro-3-methylphenol	200	0	126	63	126	63	0
4-nitrophenol	200	0	172	86	164	82	5
pentachlorophenol	200	0	249	125 *	272	136 *	9
1,4-dichlorobenzene	100	0	76	76	81	81	6
n-nitroso-di-n-propylamine	100	0	106	106	115	115	8
1,2,4-trichlorobenzene	100	0	94	94	99	99 *	5
acenaphthene	100	0	88	88	91	91	3
2,4-dinitrotoluene	100	0	112	112 *	117	117 *	4
pyrene	100	0	114	114	127	127	11

COMMENTS : * = parameter outside QC limits.

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 : 02-15-1990

LAB SAMPLE # : 9002161-01A
ANALYSIS DATE : 02/15/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	70	70	63	63	11

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ETHYLENE DIBROMIDE	34	92	20	45	90	20

ORLANDO LABORATORIES, INC.

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-21-1990

LAB SAMPLE # : [illegible]
ANALYSIS DATE : [illegible]

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
DALAPON	100	0	168	168	155	155	8
2,4,5-TP (SILVEX)	100	0	131	131	135	135	3
PICLORAM	100	0	138	138	135	135	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
DALAPON	95	175	20	95	175	20
2,4,5-TP (SILVEX)	95	175	20	95	175	20
PICLORAM	95	175	20	95	175	20

ORLANDO LABORATORIES INC.

GC/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-18-1990

LAB SAMPLE # : 9002187-3
ANALYSIS DATE : 2/16/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
1,1-dichloroethene	50	0	59	118	65	130	10
trichloroethene	50	0	52	104	47	94	10
benzene	50	0	56	112	55	110	2
toluene	50	0	51	102	55	110	8
chlorobenzene	50	0	47	94	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	66	142	21
toluene	76	125	13	59	139	21
chlorobenzene	75	130	13	60	133	21

ORLANDO LABORATORIES, INC.

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-21-1990

LAB SAMPLE # : 900217-01A
ANALYSIS DATE : 02/20/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
diazinon	100	N	65	65	56	56 *	15

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
diazinon	63	140	18	38	174	20

End of Report

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

CHAIN-OF-CUSTODY RECORD
(INSTRUCTIONS ON BACK)

Page _____ of _____

1 INVOICE TO (COMPANY AND INDIVIDUAL) / ADDRESS (CITY, STATE, ZIP)	2 CONTACT PERSON PHONE # INVOICE	3 OLI WORK ORDER # (LAB USE)
CITRUS SPRINGS UTIL PO Box 212		
4 ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) / ADDRESS (CITY, STATE, ZIP)	**5 CONTACT PERSON PHONE # REPORT**	**6 RB NUMBER (LAB USE)**
7 (OPTIONAL) ADDITIONAL REPORTS SENT TO / ADDRESS (CITY, STATE, ZIP)	**17 NUMBER OF CONTAINERS**	**18 REQUESTED ANALYSIS**
8 CLIENT PROJECT NAME	**9 CLIENT PROJECT #**	
	90312	

10 SAMPLE IDENTIFICATION	11 DATE/TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	REMARKS 19
CITRUS SPRINGS DISTRIBUTION #28	2/13/90		✓	✓			Sample	1	DER 17-550

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY
1st		2/13/90	
2nd			
3rd			

20 ADDITIONAL REMARKS	21 COOLER #'s

22 SAMPLER'S SIGNATURE

ORIGINAL - LAB
YELLOW - FILE
PINK - CLIENT

0541

owers, Ph.D.
wers, Ph.D.

Ph. (407) 339-5984
Fax (407) 260-6110

FLOWERS CHEMICAL LABORATORIES, INC.

ANALYTICAL & CONSULTING CHEMISTS

1ST QTR. citrus VOC + Unregulated for Citrus Spring

Received From:
Citrus Spring Util.
P.O.Box 217
Dunnelon,Fl.32630

Date Reported: April 7 1989

DHRS Lab# : 83139
DER Lab# : E83018

For: VO/SOC (BYSERIES 500)
Date Received: Mar23 1989 Lab Numbers: 13491-13491

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	13491 3 WELL COMPO.
Dilution_Factor		1	-	-	1
1,1,1-Trichlorethane *	ug/L	1	98.9	2.22	<1
1,1-Dichloroethylene	ug/L	1	91.9	1.92	<1
1,2-Dichloroethane	ug/L	1	103	2.72	<1
Carbon_Tetrachloride	ug/L	1	100	1.79	<1
Trichloroethylene	ug/L	1	101	2.46	<1
Tetrachloroethylene	ug/L	1	100	3.71	<1
p-Dichlorobenzene *	ug/L	0.5	95.2	2.36	<0.50
Benzene	ug/L	0.5	93.7	2.36	<0.50
Vinyl_Chloride *	ug/L	1	95.6	3.75	<1
1,1,2,2-Tetraclrethn	ug/L	1	95.7	6.01	<1
1,1,2-Trichlorethane	ug/L	1	99.5	4.53	<1
1,1-Dichloroethane	ug/L	1	97.6	1.59	<1
1,2-Dichloropropane	ug/L	1	98.3	3.39	<1
Bromodichloromethane	ug/L	1	96.8	3.65	<1
Bromoform	ug/L	1	94.0	1.77	<1
1,3-Dichloropropene	ug/L	1	93.5	5.18	<1
Chloroform	ug/L	1	97.5	2.92	<1
Chlorodibromomethane	ug/L	1	92.1	8.25	<1
Dichloromethane	ug/L	1	98.7	1.38	3.18
t-1,2-Dichlrethylene	ug/L	1	92.5	3.53	<1
1,2-Dbrm-3-chlrprpan	ug/L	3	90.6	3.79	<3
Bromomethane	ug/L	3	95.6	3.75	<3
Chlorobenzene	ug/L	0.5	94.1	10.3	<0.50
Chloroethane	ug/L	3	92.0	1.55	<3
Chloromethane	ug/L	5	95.6	3.75	<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

NEWBURYPORT & 2ND ST., P.O. BOX 150597, ALTAMONTE SPRINGS, FLA. 32715-0597

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

Ph. (407) 339-5984
Fax (407) 260-6110

FLOWERS CHEMICAL LABORATORIES, INC.

ANALYTICAL & CONSULTING CHEMISTS

Received From:
Citrus Spring Util.
P.O.Box 217
Dunnelon,Fl.32630

Date Reported: Apr17 1989

DHRS LabN : 83139
DER LabN : E83018

For: VO/SOC (BYSERIES 500)
Date Received: Mar23 1989 Lab Numbers: 13491-13491

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	13491 3 WELL COMPO.
o-Dichlorobenzene	ug/L	0.5	93.3	4.72	<0.50
m-Dichlorobenzene	ug/L	0.5	94.3	1.97	<0.50
Ethylbenzene	ug/L	0.5	97.1	3.84	<0.50
Toluene	ug/L	0.5	96.2	5.35	<0.50
m-Xylene	ug/L	0.5	91.2	5.78	<0.50
o-Xylene	ug/L	0.5	95.6	1.60	<0.50
p-Xylene	ug/L	0.5	95.6	1.60	<0.50
Bromobenzene	ug/L	1	95.6	3.75	<1
o-Chlorotoluene	ug/L	1	95.6	3.75	<1
p-Chlorotoluene	ug/L	1	95.6	3.75	<1
Dibromomethane	ug/L	2	95.6	3.75	<2
c-1,2-Dichlrethylene	ug/L	1	95.6	3.75	<1
1,3-Dichloropropane	ug/L	1	95.6	3.75	<1
2,2-Dichloropropane	ug/L	1	95.6	3.75	<1
1,1-Dichloropropene	ug/L	1	95.6	3.75	<1
Styrene	ug/L	1	95.6	3.75	<1
1,1,1,2-Tetraclrethn	ug/L	1	95.6	3.75	<1
1,2,3-Trichlorprpane	ug/L	1	95.6	3.75	<1
Trichlorofluorometha	ug/L	1	92.2	3.21	<1
Dichlorodifluorometh	ug/L	1	95.6	3.75	<1
Methyl-tertbutylethe	ug/L	0.5	91.6	10.8	<0.50
Ethylene_Dibromide *	ug/L	.005	99.6	2.46	<.0050
2-Chlorophenol	ug/L	5	93.9	2.99	<5
2-Met-4,6-dintrphenl	ug/L	5	93.9	2.99	<5
Pentachlorophenol	ug/L	5	93.9	2.99	<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

NEWBURYPORT & 2ND ST., P.O. BOX 150597, ALTAMONTE SPRINGS, FLA. 32715-0597

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FLOWERS CHEMICAL LABORATORIES, INC.

ANALYTICAL & CONSULTING CHEMISTS

Received From:
Citrus Spring Util.
P.O.Box 217
Dunnelon,Fl.32630

Date Reported: Apr17 1989

DHRS Lab# : 83139
DER Lab# : E83018

For: VO/SOC (BYSERIES 500)
Date Received: Mar23 1989 Lab Numbers: 13491-13491

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	13491 3 WELL COMPO.
Phenol	ug/L	5	93.9	2.99	<5
2,4,6-Trichlorphenol	ug/L	5	93.9	2.99	<5
b(2-ethhex)phthalate	ug/L	5	98.9	3.69	<5
Butylbenzylphthalate	ug/L	5	98.9	3.69	<5
Di-n-butlyphthalate	ug/L	5	98.9	3.69	<5
Di-n-octylphthalate	ug/L	5	98.9	3.69	<5
Diethylphthalate	ug/L	5	98.9	3.69	<5
Dimethylphthalate	ug/L	5	98.9	3.69	<5
2,4-Dinitrotoluene	ug/L	5	98.9	3.69	<5
Isophorone	ug/L	5	98.9	3.69	<5
1,2,4-Trichlrbenzene	ug/L	5	98.9	3.69	<5
Hexchlrcyclpentdiene	ug/L	5	98.9	3.69	<5
Dioxin	ug/L	0.01	96.8	3.87	<.010
Aldrin	ug/L	.003	98.6	3.27	<.0030
Chlordane	ug/L	0.04	98.1	3.62	<.040
Dieldrin	ug/L	.006	97.7	2.46	<.0060
Heptachlor	ug/L	.002	101	2.12	<.0020
PCB_1016	ug/L	0.05	96.8	3.87	<.050
PCB_1221	ug/L	0.05	96.8	3.87	<.050
PCB_1232	ug/L	0.05	96.8	3.87	<.050
PCB_1242	ug/L	0.05	96.8	3.87	<.050
PCB_1248	ug/L	0.05	96.8	3.87	<.050
PCB_1254	ug/L	0.05	96.8	3.87	<.050
PCB_1260	ug/L	0.05	96.8	3.87	<.050
Atrazine	ug/L	2.3	96.8	3.87	<2.3
Simazine	ug/L	6.7	96.8	3.87	<6.7

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

NEWBURYPORT & 2ND ST., P.O. BOX 150597, ALTAMONTE SPRINGS, FLA. 32715-0597

Jefferson L. Flowers, Ph.D.
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FLOWERS CHEMICAL LABORATORIES, INC.

ANALYTICAL & CONSULTING CHEMISTS

Received From:
Citrus Spring Util,
P.O.Box 217
Dunnelon,Fl.32630

Date Reported: Apr17 1989

DHRS Lab# : 83139
DER Lab# : EB3018

For: VO/SOC (BYSERIES 500)
Date Received: Mar23 1989 Lab Numbers: 13491-13491

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	13491 3 WELL COMPO.
Alachlor	ug/L	.225	96.8	3.87	<.2250
Metolachlor	ug/L	0.5	96.8	3.87	<0.50
Dicamba	ug/L	0.27	97.3	2.47	<.270
Dalapon	ug/L	5.7	97.3	2.47	<5.7
Pichloram	ug/L	0.07	97.3	2.47	<.070
Dinoseb	ug/L	0.07	97.3	2.47	<.070
Aldicarb	ug/L	1	106	5.9	<1
Aldicarb_Sulfoxide	ug/L	2	105	3.3	<2
Aldicarb_Sulfone	ug/L	2	109	7.8	<2
Oxamyl	ug/L	2	107	8.4	<2
Carbofuran	ug/L	1.5	99.6	1.1	<1.5

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

NEWBURYPORT & 2nd ST., P.O. BOX 150597, ALTAMONTE SPRINGS, FLA. 32715-0597

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

Bus: 407-339-5984
FAX: 407-260-6110

FLOWERS CHEMICAL LABORATORIES, INC.

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD *

CITRUS SPRINGS UTILITIES

Page ___ of ___

Client: DeHanda | Address: P.O. Box 217 | Phone: 904-[illegible]

Project Name: | Required: Urgent ☐ Routine ☐ Date ___

Sample Containers QTY	Preservative: HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	Plastic Containers: 60mL	125mL	250mL	500mL	1L	2L	Whirl-Pak Bag	Glass Containers: 40mL Vial	250mL	500mL	1L	2L	4L	NOTES:
9														X						Composite 3 wells
1																	X			

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

Parameters: VOA 150C

Laboratory Number	Client Identification/Description
13491	water sample (please composite vials)

		Date	Time
Sample Collection:	Upchurch	3/22/89	4:[illegible]
Transportation:			
Lab Acceptance:		3/23/89	10:00

Wells # 2, 3, 7 please do ASAP & fax to (1 5

481 NEWBURYPORT AVE., P.O. BOX 150-597, ALTAMONTE SPRINGS, FLA. 32715-0597

Citrus Hosp
2nd Qtr
Volatile Organics

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 6020312
Public Water System Name CITRUS SPRINGS UTILITIES
Public Water System Type (check one):
(X)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): 06, 18, 89
Laboratory Sample Number: 14036
Sample Location (be specific): Wells # 2, 3, & 7
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composite
( )Clearance ( )Maximum Residence Time ( )Plant Tap
( )Raw ( )Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Bill Yocum
OPERATIONS Supv. 1-904-347-0557

ANALYSIS INFORMATION
Extraction D: __/__/____
Laboratory C 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 Andrew B. Harrison

Title Laboratory Manager

Laboratory Flowers Chemical Laboratories,Inc.

Date 7/20/89

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample interpretation (check one):
Effective 06/ () Satisfactory () Unsatisfactory

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

Parameter ID	Name	Sample Number	Location Code	Analysis Result(mg/L)	Analytical Method	Det.Limit Used	Analysis Date
2946	Ethylene dibromide	14036		<0.000005	EPA504.1	0.000005	6/23/89
2969	Para-dichlorobenzene	14036		<0.001	EPA502.2	0.001	6/23/89
2976	Vinyl chloride	14036		<0.001	EPA502.2	0.001	6/23/89
2977	1,1,-dichloroethene	14036		<0.001	EPA502.2	0.001	6/23/89
2980	1,2,-dichloroethane	14036		<0.001	EPA502.2	0.001	6/23/89
2981	1,1,1-trichloroethane	14036		<0.001	EPA502.2	0.001	6/23/89
2982	Carbon tetrachloride	14036		<0.001	EPA502.2	0.001	6/23/89
2984	Trichloroethene	14036		<0.001	EPA502.2	0.001	6/23/89
2987	Tetrachloroethene	14036		<0.001	EPA502.2	0.001	6/23/89
2990	Benzene	14016		<0.001	EPA502.2	0.001	6/23/89

Comments:

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

Ph. (407) 339-5984
Fax (407) 260-6110

FLOWERS CHEMICAL LABORATORIES, INC.

ANALYTICAL & CONSULTING CHEMISTS

3rd QTR Quarterly VOA Citrus Springs

eceived From:
Citrus Springs
3980 SE 45th Ct.
Ocala, FL 32671

Date Reported: Sep21 1989

Proj Num Citrus Spring
DHRS Lab# : 83139
DER Lab# : E83018

or: VOA
ate Received: Sep14 1989

Lab Num: 14320-14320

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	WELL 14320 2,3&7
Ethylene dibromide	mg/L	-	101	1.10	<.0010
para-dichlorobenzene	mg/L	.001	95.3	2.96	<.0010
Vinyl chloride	mg/L	.001	98.2	2.88	<.0010
1,1,-dichloroethene	mg/L	.001	108	8.32	<.0010
1,2,-dichloroethane	mg/L	.001	100	0.64	<.0010
1,1,1-trichloroethan	mg/L	.001	97.4	1.60	<.0010
Carbon tetrachloride	mg/L	.001	98.8	0.74	<.0010
Trichloroethene	mg/L	.001	107	4.76	<.0010
Tetrachloroethene	mg/L	.001	102	1.24	<.0010
Benzene	mg/L	.001	92.9	4.38	<.0010

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

NEWBURYPORT & 2nd ST., P.O. BOX 150597, ALTAMONTE SPRINGS, FLA. 32715-0597

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

Due: 407-339-5994
FAX: 407-260-6116

FLOWERS CHEMICAL LABORATORIES, INC.

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD

Page ___ of ___

Client: [illegible] | Address: [illegible] | Phone: 489-2452

Project Name: | Required: Urgent ☐ Routine ☐ Date 9/13 by 5

Sample Containers QTY	Preservative: HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	Plastic Containers: 60ml	125ml	250ml	500ml	1L	2L	Whirl Pak Bag	Glass Containers: 40ml Vial	250ml	500ml	1L	2L	4L	NOTES:
9														X						

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

Parameters: TPA 3 wells Wells 2,3,7

Please Composite & Return by 9/27/89

Laboratory Number	Client Identification/Description
14320	

		Date	Time
Sample Collection:	[signature]	Sept 13	7:00 AM
Transportation:			
Lab Acceptance:	[signature]	9/14/89	10:20

481 NEWBURYPORT AVE., P.O. BOX 150-587, ALTAMONTE SPRINGS, FLA. 32715-0587

PUBLIC DRINKING WATER ANA_YSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 6090312
Public Water System Name: CITRUS SPRINGS UTILITIES
Public Water System Type (check one):
(X)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): 09-14-89
Laboratory Sample Number: 14320
Sample Location (be specific): WELLS # 2, 3 & 7
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composite AT LAB
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: BILL VOLUM - OPERATIONS SUPV. - 904-347-0557

ANALYSIS INFORMATION
Extraction Date ___/___/____
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

Title Technical Director

Laboratory Flowers Chemical Laboratories,Inc.

Date 9/20/89

DER /ACPHU Reviewing Offical:

_____

Mail Results to the
Appropriate DER or ACPHU Office:

_____
_____
_____
_____

PWSA.01
Effective 06/01/89

Sample Interpretation (check one):
() 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	14320	.00002	<0.000005	EPA504.1	0.000005	9/20/89
2969	Para-dichlorobenzene	14320	.075	<0.001	EPA502.2	0.001	9/19/89
2976	Vinyl chloride	14320	0.001	<0.001	EPA502.2	0.001	9/19/89
2977	1,1,-dichloroethene	14320	0.007	<0.001	EPA502.2	0.001	9/19/89
2980	1,2,-dichloroethane	14320	0.003	<0.001	EPA502.2	0.001	9/19/89
2981	1,1,1-trichloroethane	14320	0.2	<0.001	EPA502.2	0.001	9/19/89
2982	Carbon tetrachloride	14320	0.003	<0.001	EPA502.2	0.001	9/19/89
2984	Trichloroethene	14320	0.003	<0.001	EPA502.2	0.001	9/19/89
2987	Tetrachloroethene	14320	0.003	<0.001	EPA502.2	0.001	9/19/89
2990	Benzene	14320	0.001	<0.001	EPA502.2	0.001	9/19/89

Comments:

PUBLIC DRINKING WATER ANAI YSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 6090312
Public Water System Name: TITUS SPRINGS
Public Water System Type (check one):
(X)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): 12-28-89
Laboratory Sample Number: 14686
Sample Location (be specific): Wells # 2 & 7
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composite AT LAB
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Bill Williams - Operations Supv.
904 - 367 - 0557

ANALYSIS INFORMATION
Extraction Date ___/___/____
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

Title: Technical Director

Laboratory: Flowers Chemical Laboratories,Inc.

Date: 1/4/90

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01
Effective 06/01/89

Sample Interpretation (check one):
() 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	14686	.00002	<.000005	EPA504.1	.000005	1/3/90
2969	Para-dichlorobenzene	14686	.075	<0.001	EPA502.2	0.001	1/3/90
2976	Vinyl chloride	14686	0.001	<0.001	EPA502.2	0.001	1/3/90
2977	1,1,-dichloroethene	14686	0.007	<0.001	EPA502.2	0.001	1/3/90
2980	1,2,-dichloroethane	14686	0.003	<0.001	EPA502.2	0.001	1/3/90
2981	1,1,1-trichloroethane	14686	0.2	<0.001	EPA502.2	0.001	1/3/90
2982	Carbon tetrachloride	14686	0.003	<0.001	EPA502.2	0.001	1/3/90
2984	Trichloroethene	14686	0.003	<0.001	EPA502.2	0.001	1/3/90
2987	Tetrachloroethene	14686	0.003	<0.001	EPA502.2	0.001	1/3/90
2990	Benzene	14686	0.001	<0.001	EPA502.2	0.001	1/3/90

Comments:

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

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FLOWERS CHEMICAL LABORATORIES, INC.

ANALYTICAL & CONSULTING CHEMISTS

Received From:
Citrus Springs
PO Box 217
Dunnellon,FL 32630

Date Reported: Jan 5 1990

Proj Num Citrus Sprgs.
DHRS Lab# : 83139
DER Lab# : E83018

4th Qtr
Quarterly V.O.
Citrus Springs

For: WELLS 2,3&7
Date Received: Dec28 1989 Lab Number : 14686

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	14686
Ethylene dibromide	mg/L	0.000005	98.9	0.97	<0.0000050
Para-dichlorobenzene	mg/L	0.001	98.4	2.60	<0.0010
Vinyl chloride	mg/L	0.001	109	7.72	<0.0010
1,1,-dichloroethene	mg/L	0.001	98.3	1.47	<0.0010
1,2,-dichloroethane	mg/L	0.001	98.2	3.00	<0.0010
1,1,1-trichloroethan	mg/L	0.001	96.8	2.48	<0.0010
Carbon tetrachloride	mg/L	0.001	95.6	3.21	<0.0010
Trichloroethene	mg/L	0.001	87.8	8.23	<0.0010
Tetrachloroethene	mg/L	0.001	101	2.95	<0.0010
Benzene	mg/L	0.001	95.2	2.87	<0.0010

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

NEWBURYPORT & 2nd ST., P.O. BOX 150597, ALTAMONTE SPRINGS, FLA. 32715-0597

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

FOR LAB USE ONLY
GULFCOAST WATER & W.W. LAB.
5356 HWY. 19 S.
HOMOSASSA, FL. 32646
LAB. ID # 82349 JOHN PURDIN

12/18/91 12.00 W

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Citrus Springs (S.S.U.) SYSTEM I.D. NO: 6090312 SYSTEM PHONE #(904) 489-245
ADDRESS: U.S. 41 Citrus Springs COUNTY: Citrus DER DISTRICT: SW
COLLECTOR: Mike Batchik COLLECTOR PHONE #: Same
SAMPLE SITE (Locality or Subdivision): Citrus Springs
DATE AND TIME COLLECTED: 12-18-91 9:30 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)
[x] Distribution
[ ] Raw
(Check Box)
[ ] TNTC or
[ ] Turbid
[ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF:	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES*	pH*	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1-C	10196 Academy	0.7	7.6	28006 A		A		
2-C	2119 Rutland	0.5	7.7	28006 B		A		
3-C	1370 Anza	0.6	7.6	28006 C		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
T - Turbid, Absence of gas or acid

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

(Obsolete previous editions will be used) HRS-000-0466-5)

HRS Form 466, (Obsolete previous editions will be used) (Stock Number: 0000-0466-5)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

Citrus Springs Utilities
P.O. Box 217
Dunnellon Fla. 32630

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

REVIEWING OFFICIAL: Brenda Hall
TITLE: EA

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

FOR LAB USE ONLY
Gulfcoast Water Labs Inc
5356 Hwy 19 S.
Homosassa, Fla 32646
Lab ID # 82242 John Rankin
1/11/91

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Citrus Springs (SW) SYSTEM I.D. NO: 6090312 SYSTEM PHONE #:
ADDRESS: Citrus Springs - US 41 COUNTY: Citrus DER DISTRICT: SW
COLLECTOR: [illegible] COLLECTOR PHONE #: Same
SAMPLE SITE (Locality or Subdivision): Citrus Springs US 41
DATE AND TIME COLLECTED: Dec 27-91 11:00 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
[ ] Raw [ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB					
				# ANALYSIS METHOD: (MF) / MTF			MMO-MUG		PA
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	PH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL	
1/9	Well #1					A			
2/9	Well 2 Pressure Tank	2.5	7.5			A			
3/9	Well 3					A			
4/9	Well 2 Pressure Tank	0.5	7.5			A			
5/9	1615 Dakota	0.7	7.5			A			
6/9	7161 Bertram	0.8	7.5			P	P	A	
7/9	7442 Evergreen	0.8	7.4			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 Confluent growth Turbid, Absence of gas or acid
A - Coliforms are absent TNTC - Too numerous to count

INTERPRETATIONS-REMARKS BY PROGRAM REVIEWER

SEE ATTACHED SHEET FOR RESAMPLING PROCEDURES

( ) Follow procedures
( ) SATISFACTORY
( ) INCOMPLETE COLLECTION INFORMATION
( ) REPEAT SAMPLES
( ) REPLACEMENT SAMPLES

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

Citrus Springs Utilities
P.O. Box 217
Dunnellon, Fla 32630

REVIEWING OFFICIAL: Jessica Ball
TITLE: EQT

(Obsoletes previous editions which may be used) (DOH-0981-1)
HRS Form 655, (Stock Number)

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

FOR LAB USE ONLY
GULFCOAST WATER & W.W. LAB.
5356 HWY. 19 S.
HOMOSASSA, FL. 32646
LAB. ID # 82349 JOHN PURDIN

12/18/91 12 00

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Citrus Springs (S.S.U.) SYSTEM I.D. NO: 6090712 SYSTEM PHONE #(904)489-2452
ADDRESS: U.S. 41 Citrus Springs COUNTY: Citrus DER DISTRICT: S.W.
COLLECTOR: Mike Batchik COLLECTOR PHONE #: Same
SAMPLE SITE (Locality or Subdivision): Citrus Springs
DATE AND TIME COLLECTED: 12-18-91 10.00 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 Rain clearance Well survey Other _____ (Specify)
(Check Box) (Check Box)
[ ] Distribution [ ] TNTC or
[ ] Raw [ ] Turbid
[ ]
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)	MTF	MMO-MUG		PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	ON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
D	9171 Bertin	0.5	7.7	2807A		A		
2-D	9161 Bertin	0.6	7.6	2807B		A		
3-D	9053 Bertin	0.6	7.7	2807C		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 Tur - 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
Citrus Springs Utilities
P.O. Box 217
Dunnellon Fla. 32630

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

REVIEWING OFFICIAL: Brenda Ball
TITLE: EA

HRS Form 651 (Obsolete previous editions must be used) (Stock Number .000-0815-5)

Crystal River Highlands - 984

Citrus County (SSU)

Water

- 1992 FPSC Filing -

Crystal River

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	7/91
Organic	7/91
Volatile Organic Chemicals	1/91
	4/91
	7/91
	10/91
Turbidity	8/91
Microbiological	12/91
Radionuclide	3/88
Secondary Contaminants	8/91
Unregulated Contaminants	1/91

SSU SERVICES

Citrus Springs Office
General Manager Office
9840 N. Citrus Springs Blvd.
Citrus Springs, FL 32630
(904) 489-2452

To Clara

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, General Manager
Pine Ridge & SSU County Plants

RBW:cr

Attachments

cc: Charles L. Sweat
Chris Arcand
Frank Sanderson
File

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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16098
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.
461 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5984
FAX (407) 260-6410

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-I/AS-1&2
Date Received: Jan24 1991 Lab Number : 16098

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16098
Bromoform	mg/L	0.001	112	2.79	<0.001
Bromodichloromethane	mg/L	0.001	96.9	.745	<0.001
Dibromochloromethane	mg/L	0.001	115	1.47	<0.001
p-xylene	mg/L	0.001	100	4.60	<0.001
Methylene chloride	mg/L	0.001	111	1.29	<0.001
o-chlorotoluene	mg/L	0.001	104	1.72	<0.001
p-chlorotoluene	mg/L	0.001	112	4.33	<0.001
m-dichlorobenzene	mg/L	0.001	113	1.01	<0.001
o-dichlorobenzene	mg/L	0.001	109	.679	<0.001
1,1-dichloroethane	mg/L	0.001	90.1	.446	<0.001
trans-1,2-dichloroet	mg/L	0.001	108	3.04	<0.001
1,2-dichloropropane	mg/L	0.001	99.9	.360	<0.001
1,1,2-trichloroethan	mg/L	0.001	112	1.63	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	108	3.03	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	104	3.78	<0.001
Chlorobenzene	mg/L	0.001	103	.274	<0.001
Toluene	mg/L	0.001	112	4.33	<0.001
Ethylbenzene	mg/L	0.001	94.7	1.56	<0.001
Bromobenzene	mg/L	0.001	103	.274	<0.001
m-xylene	mg/L	0.001	100	4.60	<0.001
Styrene	mg/L	0.001	112	4.33	<0.001
o-xylene	mg/L	0.001	100	4.60	<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
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 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

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/G1-1/AS-1&2
Date Received: Jan24 1991 Lab Number : 16098

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16098
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, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5686
FAX (407) 260-6110

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: CR1&2/GI-1/AS-1&2
Date Received: Jan24 1991 Lab Number : 16098

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16098
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
Dioctylphthalate	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-dinitop	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

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

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: APALACHE SHORES - 6090076 -
Public Water System Name: CRYSTAL RIVER - 6092342 -
GOSPEL ISLAND - 6094953 -
Public Water System Type (check one):
( )Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi Turbidity___;Inorganic___; Trihalomethane ___;
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_;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 15098
Sample Location (be specific): APALACHE SHORES WELLS 1+2 CRYSTAL RIVER WELLS 1+2 GOSPEL ISLE WELL 1
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: JOHN MACKENZIE
904 - 459 - 2452

ANALYSIS INFORMATION
Extraction Date 2/1/91
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 2/15/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	Dichlorodifluoromethan	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,-dichloroprop	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-chloropr	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-tetrachloroetha	16098		<0.001	EPA502.2	0.001	2/1/91
2988	1,1,2,2-tetrachloroetha	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	Hexachlorocyclopentadie	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)phthal	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	6098		<0.0001	EPA505	0.0001	2/13/91
9089	Dioctylphthalate	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:

CHEMICAL LABORATORIES INCORPORATED

FDER Lab# E82018
FDHRS Lab# 82134
NCDEHNR Lab# 290
SCDHEC Lab# 96019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1)Client: Citrus Springs Util.	(2)Address: 9840 W. Citrus Springs Blvd, Citrus Springs, FL 32630	(3)Phone: (904) 489-2452
(4)Public Drinking Water ID #: ...1812	(5)Public Water System Name: CRYSTAL RIVER	
(6)Project #: Citrus County	(8)Public Water System Type: (X) Community ( ) Non-Community ( ) Special Non-Community	
(7)PO#: 131015		

(9)	Preservative					Plastic Containers						Glass Containers						NOTES:
		HNO3	ZnOAc/NaOH			60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L	(8)Turn Around Time: 10 Working Days: 5 Working Days: 3 Working Days: 1 Working Day: Other:
	18																X	
	511											X						

(10)Kit Relinquished: | (10)Date / (10)Time | (11)Kit Received | (11)Date / (11)Time

(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: T. MacKenzie TITLE: _____ PHONE: 249-2
SAMPLER'S SIGNATURE: John E MacKenzie
NOTES:
Composite Crystal River well # 1 & 2 ... Gospel Island #1 ... Apache Shores well 1 & 2 (Sands)

(13)Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; 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;

(14)Laboratory Number	(15)Client Sample Identification	
16098	#1	CRYSTAL RIVER WELL 1 CAL TUB
	#2	" " WELL 2
	#3	" " WELL 1
	#4	" " WELL 2 GAL TUB
	#5	" " WELL 1
	#6	" " WELL 2
	#7	" " WELL 1
	#8	" " WELL 2
	#9	
	#10	

		Date	Time
(16)Collectors Signature:	John E MacKenzie	11/23/91	9:00
(17)Transporters Signature:		11/24/91	
(19)Lab Acceptance By:			

OVER FOR INSTRUCTIONS FOR COMPLETION

SSU
SERVICES

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:sr

Attachments

cc: Charles L. Sweat
Chris Arcand

Apopka / crystal
GOSPIL ISCA

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Citrus Spgs.Util.
[illegible]
CitrusSpg,FL 32430

Date Reported: Apr 8 1991
PO Number: 891018
PO Number Citrus Spgs.
FDHRS Lab# : 93139
FDEP Lab# : E93018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: CR 1&2 GI-1 AS-1&2
Date Received: Mar29 1991 Lab Number : 16561

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%REC	%RPC	16561
Ethylene dibromide	mg/L	0.000005	92.8	12.3	<0.000005
Para-dichlorobenzene	mg/L	0.001	115	8.65	<0.001
Vinyl chloride	mg/L	0.001	108	.790	<0.001
1,1-dichloroethene	mg/L	0.001	106	.790	<0.001
1,2-dichloroethane	mg/L	0.001	112	8.27	<0.001
1,1,1-trichloroethan	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

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 1

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150 597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5394
FAX (407) 260-6110

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:

PUBLIC DRINKING WATER ANALYS S REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: APALACHICOLA - 6090076 (CRYSTAL RIVER) 60923
Public Water System Name _____
GOSPEL ISLE - 6094953
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi 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 6561
Sample Location (be specific): APALACHICOLA WELL 1&2 (CRYSTAL RIVER) WELL 1&2
GOSPEL ISLE WELL 1
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resampl
( )Special_____
Sampler Name, Title Phone: JOHN MACKENZIE OPERATOR
904 - 499 - 2452

ANALYSIS INFORMATION
Extraction Date ___/___/___
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTEI 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 Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

SSU SERVICES

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

R.B. Williams, Area Supervisor
Pine Ridge and SSU County Plants

RBW:sr

Attachments

cc: Charles L. Sweat
Chris Arcand

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: CRYSTAL RIVER/Apache
Date Received: Jul 2 1991

Lab Number : 17253

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17253
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-trichloroethan	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	99.2	.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 FDL 9H and EPH approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Page 1 of 1

PUBLIC DRINKING WATER ANALYSIS / REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name Crystal River
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 82139
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 17253
Sample Location (be specific): well
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resampl
( )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 7/12/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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:

FLOWERS
CHEMICAL LABORATORIES Incorporated
Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0567
BUS (407) 339 5984
FAX (407) 260 6110

CHAIN OF CUSTODY RECORD

Client: CITRUS SPRINGS
Address: 9540 N. CITRUS SPRINGS BLVD.
CITRUS SPRINGS, FL. 32630
Phone: 904-489-2452
Sampled By (PRINT): JOHN MACKENZIE
Sampler Signature: John MacKenzie Date Sampled: 7/1/91

FCL Client No:
FCL Project Manager: L. SEBECK
FCL Lab Coordinator: S. WELSH
Requested Due Date: ASAP

P.O. Number: 29018
Project Name / No: Citrus Sp. 90000
Contact: R. Williams

ITEM NO	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	HCl	ANALYSES REQUEST
1	Composit of Rolling Terr 1+2 Reservoir Well 1	10:00	D.W.	12751						VOCs
2	Mail Point 1+2	9:00								
3	Composit POW 1-2-3	11:00		12752						
4	Golden Terrace 1+2									
5	Composit Apache Shores 1+2 Capital Hills 1+2 Composit	8:30	Hospital	12753						
6	Pine Ridge 2+3	12:00		12754						

CARRIER	BAILERS	SHIP DATES: OUT / DATE	RETURNED / DATE
UPS		6/17/91	

SPECIAL INSTRUCTIONS
No Air in Vials

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
FL	6/17/91	1345			

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

0679

SSU SERVICES

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:sr

Attachments

cc: Charles L. Sweat
Chris Arcand

Crystal River 142 Gospel Island

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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17959
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-trichloroethan	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

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
681 NEWBURYPORT
P. O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-059
305 407 339-4582
FAX 407 830-

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 Crystal River
Public Water System Type (check one):
( )Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi 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 17959
Sample Location (be specific): well 142
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone:_____
_____

ANALYSIS INFORMATION
Extraction Date ___/___/____
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTEI 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
Appropnate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

CHEMICA LABORATORIES INCORPORATED

FDER Lab# E83018
FDHRS Lab# 87135
NELAP Lab# 298
SCHEC Lab# 85018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

ATTN: Bob Williams

(1)Client	(2)Address	(3)Phone
Citrus Springs Util.	P.O. Box 217 Dunnellon, FL. 32630	(904) 245-1504

(4)Public Drinking Water ID # | (5)Public Water System Name: Citrus Co. Composites

(6)Project: # Citrus Co. Composite | (8)Public Water System Type

mios B91018 | IV Community ( ) Non-Community ( ) Special Non-Community

	Preservative			Plastic Containers						Glass Containers						NOTES:
	HNO3	H2SO4	NaOH	80ml	125ml	250ml	500ml	1L	Whirl Pac Bag	40ml	250ml	500ml	1L	2L	4L	(12)Turn Around Time:
																10 Working Days:
																5 Working Days :
																3 Working Days :
																1 Working Day :
																Other :
(16) 54										X						

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

VOC's

(16)Laboratory Number	(11)Client Sample Identification
17957	#1 Composite of Rolling Green Wells 1+2 Oak Forest 1+2 Rosemont Well 1
17958	#2 Composite Raw 1-2-3 Golden Terr. 1+2
17959	#3 Composite Apache Shores 1+2 Crystal River 1+2
17960	#4 Composite Pine Ridge 2+3
	#5
	#6
	#7
	#8
	#9
	#10

		Date	Time
(13)Collectors Signature:	John E Gmur Jr	10/8	4:00 PM
(14)Transporters Signature:			
(15)Lab Acceptance By:		10/10/91	10:10

Over for numbered instructions.

SSU
SERVICES

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:

Attached please find chemical results for letters of non-compliance for Oak Forest, Apache Shores and Crystal River.

If you have any questions, please call.

Sincerely,

R.B. Williams, Division Supervisor
SSU County Plants

Attachments

cc: Charles L. Sweat w/o attachments
Bill Williams w/o attachments
Frank Sanderson w/o attachments
Chris Arcand w/o attachments

SSU SERVICES

Citrus Springs Office
Customer Service
P.O. Box 217
Dunnellon, FL 32630
(904) 489-4813

June 17, 1991

Ms Cece Featheringill
Environmental Specialist II
Department of Environmental Regulation
4520 Oak Fair Blvd
Tampa, Fl 33610-7347

Dear Ms Featheringill:

In reference to your non-compliance letters written May 31, 1991 and received by me June 10, 1991 regarding the sampling of Primary Organics, Morganics, Turbidity and Secondaries for the water plants at Crystal River, Apache Shores, and Oak Forest, copies of letters attached.

The sampling bottles have been ordered from Flowers Laboratories, Orlando, Florida and as soon as we receive them we will immediately collect the samples and transport to the Lab for tests, and when the results are received we will send to you the copies of the results.

If we can be of further service please don't hesitate to call.

Sincerely,

Robert B. Williams

cc: Charles Sweat
Frank Sanderson
Bill Williams
Hrs-Citrus County Public Health Unit

Florida Department of Environmental Regulation
Southwest District • 1520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561
Lawton Chiles, Governor Carol Browner, Secretary Richard Garrity, Deputy Assistant Secretary

MAY 31, 1991

SOUTHERN STATE UTILITIES
1000 COLOR PLACE
APOPKA FL 32703

RE: NONCOMPLIANCE LETTER
PWS ID: 6092342 [C]
CRYSTAL RIVER HIGHLANDS

Our records indicate that the above referenced potable water system is overdue for the item(s) listed below.

Samples are to be collected and submitted to a laboratory that has been certified by the Department of Health and Rehabilitative Services for the drinking water analysis appropriate to the group(s) listed below. Please call this office with the sample date and lab name within 14 days of the date of this letter. Failure to sample and submit the laboratory results is a violation of Chapter 17-550 of the Florida Administrative Code.

CONTAMINANT(S)	SAMPLE DUE
PRIMARY ORGANICS	04/01/91
INORGANICS	04/01/91
TURBIDITY	04/01/91
SECONDARIES	04/01/91

If you have any questions or need assistance call the Drinking Water Office at (813)623-5561.

SINCERELY,

CECE FEATHERINGILL
ENVIRONMENTAL SUPERVISOR II

cc: HRS CITRUS COUNTY PUBLIC HEALTH UNIT

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Citrus Springs
9840 N.CitrusSprgs.B
CitrusSprgs,FL 32630

Date Reported: Jul17 1991
PO Number: B91018
PO Number Crystal River
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received: Jul 2 1991 Lab Number : 17257

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17257
Turbidity	NTU	0.05		6.32	2.1
Arsenic	mg/L	0.0005	110	3.75	0.000831
Barium	mg/L	0.01	112	1.10	0.03
Cadmium	mg/L	0.001	110	.321	0.002
Chromium	mg/L	0.005	98.8	.489	<0.005
Fluoride	mg/L	0.05	97.7	1.45	<0.05
Lead	mg/L	0.001	103	.851	<0.001
Mercury	mg/L	0.0002	90.0	11.1	0.0004
Nitrate(as N)	mg/L	0.01	85.0		3.25
Selenium	mg/L	0.0005	119	3.26	<0.0005
Silver	mg/L	0.005	95.5	.416	0.005
Sodium	mg/L	0.002	101	.000	33
Endrin	mg/L	0.000001	96.9	7.44	<0.000001
Lindane	mg/L	0.000001	93.9	4.07	<0.000001
Methoxychlor	mg/L	0.00001	103	6.87	<0.00001
Toxaphene	mg/L	0.0001	102	3.87	<0.0001
2,4-D	mg/L	0.00005	103	7.55	<0.00005
2,4,5-TP(Silvex)	mg/L	0.00002	102	6.60	<0.00002
Calcium	mg/L	0.1	116	.396	73
Chloride	mg/L	0.015	98.3	.819	64.7
Carbonate_CaCO3	mg/L	0.1	116		164
Hydroxide_CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	103	.600	<0.005
Bicarbonate _CaCO3	mg/L	0.1			163.7
Carbonate_Alkalinity	mg/L	0.1			0.3
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 S. Flowers, Ph.D.
Technical Director

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

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Citrus Springs
9840 N.CitrusSprgs.B
CitrusSprgs,FL 32630

Date Reported: Jul17 1991
PO Number: B91018
PO Number Crystal River
FDHRS Lab# : 83139
FDEP Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: WATER SAMPLE
Date Received: Jul 2 1991 Lab Number : 17257

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17257
Iron	mg/L	0.01	106	.920	1.37
Magnesium	mg/L	0.01	110	.785	7
Manganese	mg/L	0.005	109	.294	0.066
Sulfate	mg/L	0.2	95.4	3.09	5.72
Zinc	mg/L	0.001	110	1.77	0.012
Carbon_Dioxide	mg/L	0.1			16.1
Color	mg/L	5	-	-	55
Total_Hardness	mg/L	0.1			211
NCH_as_CaCO3	mg/L	0.1			47
Odor(TON)	TON	1	-	-	<1
Field_pH	pH	0.01			-
Lab_pH	pH	0.01	100	9.25	7.31
Alkalinity	mg/L	0.1	101	2.21	164
TDS	mg/L	2.5	97.9	2.75	351
Temperature	oC	1			25
Langelier_Index	LX	0.01			0.03
Saturation_Index	pHs	0.01			7.28
Stability_Index	pH	0.01			7.25
Foaming_Agents	mg/L	0.1			0.245
Field Chlorine	mg/L	0.1			-
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 FDL (W) and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

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

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name Crystal River
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_X_;Inorganic_X_; Trihalomethane ___;
Volatile Organic___; Organic Chemical_X_: 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):
Laboratory Sample Number 17257
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 7/15/91
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 7/16/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	17257	1	2.10	EPA180.1	0.05	7/16/91

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	17257	0.05	.000831	EPA206.3	0.0005	7/11/91
1010	Barium	17257	1	.0300	EPA208.1	0.01	7/3/91
1015	Cadmium	17257	0.01	.00200	EPA213.1	0.001	7/3/91
1020	Chromium	17257	0.05	<0.005	EPA218.1	0.005	7/5/91
1025	Fluoride	17257	4	.0448	EPA340.1	0.05	7/11/91
1030	Lead	17257	0.05	<0.001	EPA239.2	0.001	7/10/91
1035	Mercury	17257	0.002	.000400	EPA245.1	0.0002	7/11/91
1040	Nitrate(as N)	17257	10	3.25	EPA353.1	0.01	07-05-91
1045	Selenium	17257	0.01	<0.0005	EPA270.3	0.0005	7/8/91
1050	Silver	17257	0.05	.00500	EPA272.1	0.005	7/3/91
1052	Sodium	17257	160	33.0	EPA273.1	0.002	7/7/91

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	17257	0.0002	<.000001	EPA508	.000001	7/15/91
2010	Lindane	17257	0.004	<.000001	EPA508	.000001	7/15/91
2015	Methoxychlor	17257	0.1	<0.00001	EPA508	0.00001	7/15/91
2020	Toxaphene	17257	0.005	<0.0001	EPA508	0.0001	7/15/91
2105	2,4-D	17257	0.1	<0.00005	EPA515	0.00005	7/15/91
2110	2,4,5-TP(Silvex)	17257	0.01	<0.00002	EPA515	0.00002	7/15/91

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	17257		73	EPA215.1	0.1	7/8/91
1017	Chloride	17257	250	64.7	EPA300.0	0.015	07-08-91
1019	Carbonate CaCO3	17257		164.0	SM314A	0.1	
1021	Hydroxide CaCO3	17257		0.0	SM406C	0.01	
1022	Copper	17257	1	<0.005	EPA220.1	0.005	7/7/91
1023	Bicarbonate CaCO3	17257		163.7	SM406C	0.01	
1026	Bicarbonate HCO3	17257		0.3	SM406C	0.01	

1027	Hydrogen Sulfi e	17257			EPA376.1	0.5	
1028	Iron	17257	0.3	1.37	EPA236.1	0.01	7/7/91
1031	Magnesium	17257		7.00	EPA242.1	0.01	7/8/91
1032	Maganese	17257	0.05	.066	EPA243.1	0.005	7/7/91
1055	Sulfate	17257	250	5.72	EPA300.0	0.200	7/5/91
1095	Zinc	17257	5	.01200	EPA289.1	0.001	7/7/91
1901	Carbon Dioxide	17257		16.1	SM406C	0.01	
1905	Color (color units)	17257	15	55	EPA110.1	5	7/8/91
1915	Total Hardness	17257		221.0	SM314A	0.1	
1917	NCH as CaCO3	17257		47.0	SM314A	0.1	
1920	Odor (total odor number	17257	3	<1	EPA140.1	1	
1924	Field pH (units)	17257	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	17257	6.5-8.5	7.31	EPA150.1	0.01	7/5/91
1926	Field Conductivity	17257			-	0.01	
1927	Total Alkalinity	17257		164	EPA310.1	0.1	7/8/91
1930	TDS	17257	500	351	EPA160.1	2.5	7/16/91
1931	Phenolphthalein Alk.	17257			EPA310.1	0.1	
1996	Field Temp. (C)	17257		25	-		1
1997	Langelier Index	17257	-0.2:+0.2	0.03	SM203	0.01	
1998	Saturation Index	17257		7.28	SM203	0.01	
1999	Stability Index	17257		7.25	SM203	0.01	
2909	Foaming Agents	17257	0.5	.245	EPA425.1	0.1	7/12/91
9996	Field DO	17257			-	0.1	
9997	Field Chlorine	17257			-	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

0593

Company: CITRUS SPRINGS
Address: 9540 N. CITRUS SPRINGS Blvd.
CITRUS SPRINGS, FL. 32630
Phone: 904. 489. 2417

FCL Client No.
FCL Project Manager: L. SEBECK
FCL Lab Coordinator: S. WELSH
Requested Due Date: ASAP

P.O. Number: A-91018
Project Name / No.: CRYSTAL RIVER
Contact: A. WILLIAMS

Sampled By (PRINT): JOHN MACKENZIE
Sampler Signature: John E MacKenzie
Date Sampled: 7/1/91

SAMPLE NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	HCl			ANALYSES REQUEST: TOC	Tot. Nitro	Tot. Phos	TSS						
1	CRYSTAL RIVER	0900	W	17257								X	X	X	X						
2	"																				
3																					
4																					
5	—																				
6																					

CARRIER	BAILERS	SHIP DATES: OUT / DATE	RETURNED / DATE	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
UPS		6/17/91		FCL	6/17/91	11:30	/ Flowers	7/2	1:20

SPECIAL INSTRUCTIONS
No Additionals

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Citrus Sprg.Util.
9840 N.CitrusSpg.Blv
CitrusSprg,FL 32630

Date Reported: Aug29 1991
PO Number: C.R./A.S.
PO Number Cit.Sprgs.
FDHRS Lab# : B3139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: TB FE MN
Date Received: Aug15 1991 Lab Num: 17537-17542

REPORT OF ANALYSIS

	Hydrogen Sulfide mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L
Accuracy:		97.0		114
Precision:		.197		1.69
Det.Limit:	0.5	0.01	0.01	0.005
Client ID / Lab Number				
990 8/12				
17537	-	0.599	-	0.472
990 8/13				
17538	-	0.8	-	0.797
990 8/14				
17539	-	0.768	-	0.712
984 8/12				
17540	-	1.14	-	0.796
984 8/13				
17541	-	0.891	-	0.596
984 8/14				
17542	-	1.57	-	0.774

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

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

Citrus Sprg.Util.
9840 N.CitrusSpg.Blv
CitrusSprg,FL 32630

Date Reported: Aug29 1991
PO Number: C.R./A.S.
PO Number Cit.Sprgs.
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: TB FE MN
Date Received: Aug15 1991 Lab Num: 17537-17542

REPORT OF ANALYSIS

	Sulfate mg/L	Zinc mg/L	Carbon_Dioxide mg/L	Color (color unit mg/L
Accuracy:				
Precision:				
Det.Limit:	0.2	0.001	0.1	5
Client ID				
Lab Number				
990 8/12 17537	-	-	-	-
90 8/13 17538	-	-	-	-
990 8/14 17539	-	-	-	-
984 8/12 17540	-	-	-	-
984 8/13 17541	-	-	-	-
984 8/14 17542	-	-	-	-

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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5954
FAX (407) 260-6110

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Citrus Sprg.Util.
9840 N.CitrusSpg.Blv
CitrusSprg,FL 32630

Date Reported: Aug29 1991
PO Number: C.R./A.S.
PO Number Cit.Sprgs.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: TB FE MN
Date Received: Aug15 1991 Lab Num: 17537-17542

REPORT OF ANALYSIS

	Hydroxide CaCO3 mg/L	Copper mg/L	Bicarbonate CaCO3 mg/L	Bicarbonate HCO3 mg/L
Accuracy:				
Precision:				
Det.Limit:	0.1	0.005	0.1	0.1
Client ID				
Lab Number				
990 8/12				
17537	-	-	-	-
990 8/13				
17538	-	-	-	-
990 8/14				
17539	-	-	-	-
984 8/12				
17540	-	-	-	-
984 8/13				
17541	-	-	-	-
984 8/14				
17542	-	-	-	-

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 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

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FLOWERS

[redacted]

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Citrus Sprg.Util.
9840 N.CitrusSpg.Blv
CitrusSprg,FL 32630

Date Reported: Aug29 1991
PO Number: C.R./A.S.
PO Number Cit.Sprgs.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: TB FE MN
Date Received: Aug15 1991 Lab Num: 17537-17542

REPORT OF ANALYSIS

	Turbidity NTU	Calcium mg/L	Chloride mg/L	Carbonate CaCO3 mg/L
Accuracy:	95.0			
recision:	3.05			
Det.Limit:	0.05	0.1	0.015	0.1
Client ID				
Lab Number				
990 8/12				
17537	0.71	-	-	-
990 8/13				
17538	0.76	-	-	-
990 8/14				
17539	0.65	-	-	-
984 8/12				
17540	3.5	-	-	-
984 8/13				
17541	2.3	-	-	-
984 8/14				
17542	1.1	-	-	-

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

Jefferson S. Flowers, Ph.D.

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	17537	1	.710	EPA180.1	0.05	8/27/91

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	Calcium	17537			EPA180.1	0.0500	
1017	Chloride	17537	250		EPA215.1	0.10	
1019	Carbonate CaCO3	17537			EPA300.0	0.015	
1021	Hydroxide CaCO3	17537			SM314A	0.100	
1022	Copper	17537	1		SM406C	0.10	
1023	Bicarbonate CaCO3	17537			EPA220.1	0.005	
1026	Bicarbonate HCO3	17537			SM406C	0.1000	
1027	Hydrogen Sulfide	17537			SM406C	0.10	
1028	Iron	17537	0.3	0.5990	EPA376.1	0.5000	8/19/91
1031	Magnesium	17537			EPA236.1	0.010	
1032	Manganese	17537	0.05	0.472	EPA242.1	0.010	8/19/91
1055	Sulfate	17537	250		EPA243.1	0.005	
1095	Zinc	17537	5		EPA300.0	0.2	
1901	Carbon Dioxide	17537			EPA289.1	0.001	
1905	Color (color units)	17537	15		SM406C	0.1	
1915	Total Hardness	17537			EPA110.1	5	
1917	NCH as CaCO3	17537			SM314A	0.1	
1920	Odor (total odor number	17537	3		SM314A	0.1	
1924	Field pH (units)	17537	6.5-8.5		EPA140.1	1.0	
1925	Lab pH (units)	17537	6.5-8.5		EPA150.1	0.01	
1926	Field Conductivity	17537			EPA150.1	0.01	
1927	Total Alkalinity	17537			-	0.100	
1930	TDS	17537	500		EPA310.1	0.100	
1931	Phenolphthalein Alk.	17537			EPA160.1	2.500	
1996	Field Temp. (C)	17537			EPA310.1	0.1	
1997	Langelier Index	17537	-0.2:+0.2		-	1	
1998	Saturation Index	17537			SM203	0.01	
1999	Stability Index	17537			SM203	0.01	
2909	Foaming Agents	17537	0.5		SM203	0.01	
9996	Field DO	17537			EPA425.1	0.1	
9997	Field Chlorine	17537			-	0.1	

Comments: - 0.1

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	17538	1	.760	EPA180.1	0.05	8/27/91

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	Calcium	17538			EPA180.1	0.0500	
1017	Chloride	17538	250		EPA215.1	0.10	
1019	Carbonate CaCO3	17538			EPA300.0	0.015	
1021	Hydroxide CaCO3	17538			SM314A	0.100	
1022	Copper	17538	1		SM406C	0.10	
1023	Bicarbonate CaCO3	17538			EPA220.1	0.005	
1026	Bicarbonate HCO3	17538			SM406C	0.1000	
1027	Hydrogen Sulfide	17538			SM406C	0.10	
1028	Iron	17538	0.3	0.8000	EPA376.1	0.5000	8/19/91
1031	Magnesium	17538			EPA236.1	0.010	
1032	Manganese	17538	0.05	0.797	EPA242.1	0.010	8/19/91
1055	Sulfate	17538	250		EPA243.1	0.005	
1095	Zinc	17538	5		EPA300.0	0.2	
1901	Carbon Dioxide	17538			EPA289.1	0.001	
1905	Color (color units)	17538	15		SM406C	0.1	
1915	Total Hardness	17538			EPA110.1	5	
1917	NCH as CaCO3	17538			SM314A	0.1	
1920	Odor (total odor number	17538	3		SM314A	0.1	
1924	Field pH (units)	17538	6.5-8.5		EPA140.1	1.0	
1925	Lab pH (units)	17538	6.5-8.5		EPA150.1	0.01	
1926	Field Conductivity	17538			EPA150.1	0.01	
1927	Total Alkalinity	17538			-	0.100	
1930	TDS	17538	500		EPA310.1	0.100	
1931	Phenolphthalein Alk.	17538			EPA160.1	2.500	
1996	Field Temp. (C)	17538			EPA310.1	0.1	
1997	Langelier Index	17538	-0.2:+0.2		-	1	
1998	Saturation Index	17538			SM203	0.01	
1999	Stability Index	17538			SM203	0.01	
2909	Foaming Agents	17538	0.5		SM203	0.01	
9996	Field DO	17538			EPA425.1	0.1	
9997	Field Chlorine	17538			-	0.1	

Comments:

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	17539	1	.650	EPA180.1	0.05	8/27/91

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	Calcium	17539			EPA180.1	0.0500	
1017	Chloride	17539	250		EPA215.1	0.10	
1019	Carbonate CaCO3	17539			EPA300.0	0.015	
1021	Hydroxide CaCO3	17539			SM314A	0.100	
1022	Copper	17539	1		SM406C	0.10	
1023	Bicarbonate CaCO3	17539			EPA220.1	0.005	
1026	Bicarbonate HCO3	17539			SM406C	0.1000	
1027	Hydrogen Sulfide	17539			SM406C	0.10	
1028	Iron	17539	0.3	0.7680	EPA378.1	0.5000	8/19/91
1031	Magnesium	17539			EPA236.1	0.010	
1032	Manganese	17539	0.05	0.712	EPA242.1	0.010	8/19/91
1055	Sulfate	17539	250		EPA243.1	0.005	
1095	Zinc	17539	5		EPA300.0	0.2	
1901	Carbon Dioxide	17539			EPA289.1	0.001	
1905	Color (color units)	17539	15		SM406C	0.1	
1915	Total Hardness	17539			EPA110.1	5	
1917	NCH as CaCO3	17539			SM314A	0.1	
1920	Odor (total odor number	17539	3		SM314A	0.1	
1924	Field pH (units)	17539	6.5-8.5		EPA140.1	1.0	
1925	Lab pH (units)	17539	6.5-8.5		EPA150.1	0.01	
1926	Field Conductivity	17539			EPA150.1	0.01	
1927	Total Alkalinity	17539			-	0.100	
1930	TDS	17539	500		EPA310.1	0.100	
1931	Phenolphthalein Alk.	17539			EPA160.1	2.500	
1996	Field Temp. (C)	17539			EPA310.1	0.1	
1997	Langelier Index	17539	-0.2:+0.2		-	1	
1998	Saturation Index	17539			SM203	0.01	
1999	Stability Index	17539			SM203	0.01	
2909	Foaming Agents	17539	0.5		SM203	0.01	
9996	Field DO	17539			EPA425.1	0.1	
9997	Field Chlorine	17539			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD

Attn: Bob Williams

CLIENT	ADDRESS	PHONE
Citrus Springs Util.	9540 N. Cit. Spngs. Blvd. Cit. Spgs. 32630	(904) 489-2452
PROJECT NAME: Apache Shores	REQUIRED: ☐ Urgent ☐ Routine	DATE 8/12/91

Sample Containers QTY	Preservative: HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	Plastic Containers: 60mL	125mL	250mL	500mL	1L	2L	Whirl-Pak Bag	Glass Containers: 40mL Vial	250mL	500mL	1L	2L	4L	NOTES:
9	✓							✓												
9								✓												

Kit Relinquished:	Date: Time:	Kit Received:	Date: Time:
3 3 BA.			

samples

Parameters: TB Mn Fe

Laboratory Number	Client Identification/Description
17537-39	Belmont Homes Crystal River - T84
	Collected 3 consecutive days 3 Samples
	Each day total 9 for Crystal River
17540-42	Apache Shores same procedure
	total 9 from Apache

		Date	Time
Sample Collection:	Crystal River	8/12-13-14	4:00 - 4:00 - 9:00 AM
Transportation:	Apache Shores	8/12-13-14	4:00 - 4:00 - 9:00 AM
Lab Acceptance:		8/15/91	2:02

Page 1 of 1

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

481 [illegible]
P.O. Box 150 597
Apalachicola Shores
Florida 32715 0597
(904) 339 5081
(800) 227 5100

ORLANDO LABORATORIES INC

P.O. Box 19127 • Orlando, Florida 32814 • (407) 896-6645

REPORT OF ANALYSIS

Southern States Utilities
Attn: Aaron Perlowich
1000 Color Place
Apopka, Florida 32703

Report #: 51888 (5189)
Sample submitted by: Client
Date received: 03-16-88
Date reported: 04-11-88
Date revised: 05-24-88

PURPOSE: To analyze the sample for listed parameters
AUTHORIZATION: Sample Identification Form received from client 03-16-88
SAMPLE IDENTIFICATION: Sample submitted and identified by client as: Crystal River Distribution.
PROCEDURE: EPA METHOD 624

RESULTS, ug/l

PURGEABLE ORGANICS BY GC/MS	RESULTS
Benzene	ND(1)
Bromodichloromethane	14
Bromoform	ND(1)
Bromomethane	ND(1)
Dibromomethane	ND(1)
Chlorobenzene	ND(1)
Chloroethane	ND(1)
2-Chloroethylvinyl ether	ND(1)
Chloroform	42
Chloromethane	ND(1)
Dibromochloromethane	ND(1)
1,1-Dichloroethane	ND(1)
Dichlorobenzene	ND(1)
1,1-Dichloroethene	ND(1)
trans-1,2-Dichloroethene	ND(1)
1,2-Dichloropropane	ND(1)
cis-1,3-Dichloropropene	ND(1)
trans-1,3-Dichloropropene	ND(1)
Ethylbenzene	ND(1)

ND = Not detected to the levels in parentheses.

Respectfully submitted,
ORLANDO LABORATORIES, INC.

Martin A. Zinn
Laboratory Manager

Quality Control

OLI Florida Department of Health & Rehabilitative Service Identification Number is 83141.

The Analytical Specialists

PROCEDURE: EPA METHOD 624

PURGEABLE ORGANICS BY GC/MS - Cont.	RESULTS
Methylene Chloride	ND(1)
Styrene	ND(1)
1,1,2,2-Tetrachloroethane	ND(1)
Dichloromethane	ND(1)
Toluene	ND(1)
1,1-Dichloropropene	ND(1)
1,1,2-Trichloroethane	ND(1)
1,3-Dichloropropane	ND(1)
Trichlorofluoromethane	ND(1)
Bromobenzene	ND(1)
meta - Xylene	ND(1)
ortho, para - Xylenes	ND(1)
1,2-Dibromo-3-chloropropane	ND(1)
Dichlorodifluoromethane	ND(1)

GC/MS VOLATILE SCAN	
Acrolein	ND(100)
Acrylonitrile	ND(100)
n-Hexane	ND(10)
2,2-Dichloropropane	ND(1)
1,1,1,2-Tetrachloroethane	ND(1)
1,2,3-Trichloropropane	ND(1)
1,3-Dichlorobenzene	ND(1)
1,4-Dichlorobenzene	ND(1)
Trichloroethylene	ND(1)
Tetrachloroethylene	ND(1)
Carbon Tetrachloride	ND(1)
Vinyl Chloride	ND(1)
1,1,1-Trichloroethane	ND(1)
1,2-Dichloroethane	ND(1)

PROCEDURE: EPA METHOD 625

ACID EXTRACTABLE ORGANICS BY GC/MS	
4-Chloro-3-methyl phenol	ND(10)
2-Chlorophenol	ND(10)
2,4-Dichlorophenol	ND(10)
2,4-Dimethylphenol	ND(10)
2,4-Dinitrophenol	ND(10)
2-Methyl-4,6-dinitrophenol	ND(10)
2-Nitrophenol	ND(10)
4-Nitrophenol	ND(10)
Pentachlorophenol	ND(10)
Phenol	ND(10)
2,4,6-Trichlorophenol	ND(10)

PROCEDURE: EPA METHOD 625

BASE/NEUTRAL EXTRACTABLES BY GC/MS	RESULTS
Acenapthene	ND(10)
Acenapthylene	ND(10)
Anthracene	ND(10)
Benzidine	ND(50)
Benzo(a)anthracene	ND(10)
Benzo(b)fluoranthene	ND(10)
Benzo(k)fluoranthene	ND(10)
Benzo(a)pyrene	ND(10)
Benzo(g,h,i)perylene	ND(10)
Benzyl-butyl phthalate	ND(10)
bis(2-Chloroethyl)ether	ND(10)
bis(2-Chloroethoxy)methane	ND(10)
bis(2-Ethylhexyl)phthalate	ND(10)
bis(2-Chloroisopropyl)ether	ND(10)
4-Bromophenyl phenyl ether	ND(10)
2-Chloronaphthalene	ND(10)
o-Chlorotoluene	ND(10)
p-Chlorotoluene	ND(10)
4-Chlorophenyl phenyl ether	ND(10)
Chrysene	ND(10)
Dibenzo(a,h)anthracene	ND(10)
Di-n-butyl-phthalate	ND(10)
1,2-Dichlorobenzene	ND(10)
1,3-Dichlorobenzene	ND(10)
1,4-Dichlorobenzene	ND(10)
3,3-Dichlorobenzidine	ND(10)
Diethyl phthalate	ND(10)
Dimethyl phthalate	ND(10)
2,4-Dinitrotoluene	ND(10)
2,6-Dinitrotoluene	ND(10)
Di-n-octyl-phthalate	ND(10)
1,2-Diphenylhydrazine	ND(10)
Fluoranthene	ND(10)
Fluorene	ND(10)

PROCEDURE: EPA METHOD 625

BASE/NEUTRAL EXTRACTABLES BY GC/MS - Cont.	RESULTS
Hexachlorobenzene	ND(10)
Hexachlorobutadiene	ND(10)
Hexachlorocyclopentadiene	ND(10)
Hexachloroethane	ND(10)
Ideno(1,2,3-c,d)pyrene	ND(10)
Isophorone	ND(10)
Naphthalene	ND(10)
Nitrobenzene	ND(10)
n-Nitrosodimethylamine	ND(10)
n-Nitrosodi-n-propylamine	ND(10)
n-Nitrosodiphenylamine	ND(10)
Phenanthrene	ND(10)
Pyrene	ND(10)
2,3,7,8-Tetrachlorodi-benzo-p-dioxin (dioxin)	ND(10)
1,2,4-Trichlorobenzene	ND(10)

PROCEDURE: EPA METHOD 608

ORGANOCHLORINE PESTICIDES	
Alpha-BHC	ND(1)
Beta-BHC	ND(1)
Delta-BHC	ND(1)
Gamma-BHC	ND(1)
Heptachlor	ND(1)
Aldrin	ND(1)
Heptachlor epoxide	ND(1)
Endosulfan I	ND(1)
Dieldrin	ND(1)
4,4'-DDE	ND(1)
O,p-DDE	ND(1)
Endosulfan II	ND(1)
4,4'-DDD	ND(1)
O,p-DDD	ND(1)
Endosulfan sulfate	ND(1)
4,4'-DDT	ND(1)
O,p-DDT	ND(1)
Endrin aldehyde	ND(1)

PROCEDURE: EPA METHOD 608

ORGANOCHLORINE PESTICIDES - Cont.	RESULTS
Alpha-Chlordane	ND(1)
Gamma-Chlordane	ND(1)
Kelthane	ND(1)
Toxaphene	ND(5)

POLYCHLORINATED BIPHENYLS, PCB's	
Arochlor 1016	ND(5)
Arochlor 1221	ND(5)
Arochlor 1232	ND(5)
Arochlor 1242	ND(5)
Arochlor 1248	ND(5)
Arochlor 1254	ND(5)
Arochlor 1260	ND(5)

ORGANOPHOSPHORUS PESTICIDES	
Diazinon	ND(50)
Ethion	ND(50)
Guthion (Azinphos methyl)	ND(50)
Malathion	ND(50)
Parathion	ND(50)
Tedion	ND(10,000)
Trithion (Carbophenothion)	ND(50)

MISCELLANEOUS PRIORITY POLLUTANTS	
Temik®, Aldicarb (mg/l)	ND(0.010)

MISCELLANEOUS PRIORITY POLLUTANTS	WELL #1	WELL #2
Ethylene Dibromide, EDB (ug/l)	ND(0.02)	ND(0.02)

PURPOSE: To analyze the sample for Secondary Drinking Water Regulations
PROCEDURE: This water was analyzed according to "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, AWWA, and WPCF (1985).
RESULTS:

RESULTS

DETERMINATION	(MCL)	RESULTS	UNITS
Chloride, Cl	(250)	37	mg/1
Color	(15)	10	PCU
Foaming Agents, (MBAS)	(0.5)	<0.1	mg/1
Sulfate, SO_4	(250)	1.0	mg/1
Total Dissolved Solids	(500)	335	mg/1
pH (Laboratory)	(6.5-8.5)	7.5	units
Odor Threshold	(3)	1	units
Copper, Cu	(1.0)	<0.010	mg/1
Iron, Fe	(0.3)	<0.100	mg/1
Manganese, Mn	(0.05)	<0.050	mg/1
Zinc, Zn	(5)	0.058	mg/1
Phenolphthalein Alkalinity, $CaCO_3$		0	mg/1
Total Alkalinity, $CaCO_3$		202	mg/1
Carbonate Alkalinity, $CaCO_3$		0	mg/1
Bicarbonate Alkalinity, $CaCO_3$		202	mg/1
Carbonates, $CaCO_3$		0	mg/1
Bicarbonates, HCO_3		246	mg/1
Hydroxides, as OH		0	mg/1
Carbon Dioxide, CO_2		12	mg/1
Fluoride, F		<0.1	mg/1
pHs		7.2	units
Stability Index		6.9	units
Specific Conductance, umhos		503	umhos
Hydrogen Sulfide, H_2S (F-F)		<0.1	mg/1
Nitrate Nitrogen, NO_3-N		<0.03	mg/1
Total Hardness, $CaCO_3$		231	mg/1
Magnesium Hardness, $CaCO_3$		20.5	mg/1
Calcium Hardness, $CaCO_3$		210	mg/1
Calcium, Ca		84.0	mg/1
Magnesium, Mg		4.98	mg/1

PURPOSE: To analyze the sample for Primary Drinking Water Regulations
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

CONTAMINANT	MCL	SAMPLE
INORGANIC:		
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
ORGANIC	"ORGANIC ANALYSES BY GAS CHROMATOGRAPHIC SCREENING"	
Endrin	0.0002	ND(0.0001)
Lindane	0.004	ND(0.001)
Methoxychlor	0.1	ND(0.01)
Toxaphene	0.005	ND(0.005)
2,4-D	0.1	ND(0.01)
2,4,5-TP (Silvex)	0.01	ND(0.001)

MCL = Maximum Contaminant Level.

ND = Not detected to the levels in parentheses.

PURPOSE: To analyze the sample for Gross Alpha.
PROCEDURE: EPA METHOD 900.0

RESULTS, pCi/l

DETERMINATION	STORET #	DISTRIBUTION
Gross Alpha	#01501	<0.5
Counting error	#01502	±0.4

< = Less Than

PURPOSE: To analyze the sample for listed parameters
PROCEDURE: Standard Laboratory Procedures.

DETERMINATION	ENTRY POINT TO DISTRIBUTION
Sodium, Na	22
Corrosivity, units	0.1
Turbidity, NTU	<1.0

QUALITY CONTROL DATA SHEET

DUPLICATES:

PARAMETER	% DIFFERENCE	DATE	ANALYST
Diazinon	4.8	04-04-88	C.O.
Trithion	15	04-04-88	C.O.
Ethion	7.5	04-04-88	C.O.
Lindane	<1.0	04-02-88	C.O.
Endrin	2.5	04-02-88	C.O.
Methoxychlor	5.8	04-02-88	C.O.
2,4-D	11	04-01-88	C.O.
2,4,5-TP	6.7	04-01-88	C.O.
EDB	<1.0	04-01-88	C.O.
pH	2.6	03-18-88	P.S.
Total Alkalinity	2.6	03-18-88	P.S.
TDS	<1.0	03-22-88	J.B.
Specific Conductance	<1.0	03-22-88	J.B.
Fluoride	<1.0	03-23-88	J.B.
Color	<1.0	03-28-88	P.S.
Sulfate	<1.0	03-28-88	P.S.
Sodium	2.2	03-29-88	B.D.
Chloride	<1.0	03-30-88	J.B.
Odor	<1.0	03-31-88	B.D.
MBAS	<1.0	04-02-88	B.D./M.S.
Nitrate Nitrogen	1.0	03-31-88	B.D.
Arsenic	3.9	03-28-88	C.G.
Barium	1.2	03-30-88	C.G.
Cadmium	<1.0	03-28-88	A.H.
Chromium	1.2	03-29-88	A.H.
Lead	1.6	03-29-88	C.G.
Mercury	<1.0	03-30-88	J.H.
Selenium	<1.0	04-01-88	C.G.
Silver	10.0	03-28-88	A.H.
Calcium	<1.0	04-01-88	C.G.
Magnesium	<1.0	04-01-88	C.G.
Iron	<1.0	03-29-88	C.G.
Manganese	<1.0	03-31-88	J.H.
Copper	<1.0	03-31-88	J.H.
Zinc	1.8	03-25-88	J.H.
Gross Alpha	11	03-21-88	J.B.
Aldicarb	<1.0	04-04-88	C.O.

QUALITY CONTROL DATA SHEET

DUPLICATES:

PARAMETER	% DIFFERENCE	DATE	ANALYST
Diazinon	123	04-04-88	C.O.
Trithion	81	04-04-88	C.O.
Ethion	128	04-04-88	C.O.
Lindane	97	04-02-88	C.O.
Endrin	108	04-02-88	C.O.
Methoxychlor	73	04-02-88	C.O.
Lindane	129	04-02-88	C.O.
Endrin	118	04-02-88	C.O.
Methoxychlor	67	04-02-88	C.O.
2,4-D	100	04-01-88	C.O.
2,4,5-TP	101	04-01-88	C.O.
EDB	97	04-01-88	C.O.
Total Alkalinity	100	03-18-88	P.S.
TDS	107/107	03-22-88	J.B.
Specific Conductance	98/98	03-22-88	J.B.
Fluoride	101/101	03-23-88	J.B.
Sulfate	106	03-28-88	P.S.
Sodium	102/99	03-29-88	B.D.
Chloride	105/105	03-30-88	J.B.
MBAS	90	04-02-88	B.D./M.S.
Nitrate Nitrogen	103/104	03-31-88	B.D.
Arsenic	103	03-28-88	C.G.
Barium	95	03-30-88	C.G.
Cadmium	100	03-28-88	A.H.
Chromium	102	03-29-88	A.H.
Lead	105	03-29-88	C.G.
Mercury	102	03-30-88	J.H.
Selenium	110	04-01-88	C.G.
Silver	96	03-28-88	A.H.
Calcium	101	04-01-88	C.G.
Magnesium	99	04-01-88	C.G.
Iron	100	03-29-88	C.G.
Manganese	104	03-31-88	J.H.
Copper	100	03-31-88	J.H.
Zinc	98	03-25-88	J.H.
Gross Alpha	98	03-21-88	J.B.
Gross Alpha	111	03-21-88	J.B.
Aldicarb	92	04-04-88	C.O.

HRS

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 Lab
5356 Hwy 19 S
Homosassa, Fla. 32646
Lab ID # 82349 John Fordon
12/3/91 10:20AM

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Belmont Homes - SSU SYSTEM I.D. NO: 6092342 SYSTEM PHONE #: 1-489-24[illegible]

ADDRESS: Stone Block Homes CASA COUNTY: Citrus DER DISTRICT: SW

COLLECTOR: John E MacKenzie COLLECTOR PHONE #: Same

SAMPLE SITE (Locality or Subdivision): Belmont Homes

DATE AND TIME COLLECTED: 11/27/91 1:30

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 _____ (Specify)
~~(Check Box)~~
(X) Distribution
~~( )~~ Raw

REMARKS:

(Check Box)
( ) TNTC or C
[ ] Turbid
[ ]

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)		MTF	MMO-MUG	PA
COLL.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
15	WELL #1	0		26622A		A		
16	WELL #2	0		26622B		A		
17	H.P.T.	1.6		26622C		A		
18	LOT 7 JENNISON	0.6		26622D		A		
19	LOT 16 WHITTIER	0.5		26622E		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

HRS Form 888, Jan 91 (Stock Number: 1790-[illegible]) -Note previous edition which may be used.

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: [signature]

TITLE: ES I

Daetwyler Shores - 105

Orange County (SSU)

Water

- 1992 FPSC Filing -

Daetwyler

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 Daetwyler plant was taken off line and interconnected with Orlando Utilities Commission August, 1991.

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar26 1991

PO Number: 891045

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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16408
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
1,2-dichloroethane	mg/L	0.001	112	3.98	<0.001
1,1,1-trichloroethan	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	.083	<0.001
Tetrachloroethene	mg/L	0.001	113	.592	<0.001
Benzene	mg/L	0.001	99.2	.116	<0.001
Chloromethane	mg/L	0.001	109	.669	<0.001
Dichlorodifluorometh	mg/L	0.001	104	2.13	<0.001
Bromomethane	mg/L	0.001	109	.669	<0.001
Chloroethane	mg/L	0.001	107	2.56	<0.001
Trichlorofluorometha	mg/L	0.001	104	2.13	<0.001
trans-1,3-dichlorop	mg/L	0.001	115	6.22	<0.001
cis-1,3-dichloroprop	mg/L	0.001	113	11.0	<0.001
Methyl-tert-butyleth	mg/L	0.001	106	.005	<0.001
cis-1,2-dichloroethe	mg/L	0.001	113	11.0	<0.001
Dibromomethane	mg/L	0.001	109	.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-trichloropropa	mg/L	0.001	111	.868	<0.001
2,2-dichloropropane	mg/L	0.001	107	2.56	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	111	.868	<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 L. Rowell, Ph.D.
Laboratory Director

Jeffrey L. Rowell, Ph.D.
Jeffrey S. Rowell, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
305 407 339-5984

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar26 1991
PO Number: 891045

PO Number
FDHRS Lab# : 82139
FDEP Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Gateway/Sr Ln.Conway/Holiday Hghts.
Date Received: Mar 4 1991 Lab Number : 16408

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%REC	%RSD	16408
Bromoform	mg/L	0.001	117	1.51	<0.001
Bromodichloromethane	mg/L	0.001	120	.984	<0.001
Dibromochloromethane	mg/L	0.001	115	.414	<0.001
Br[illegible]ane	mg/L	0.001	109	1.33	<0.001
Tetrachloroethylene	mg/L	0.001	100	.268	<0.001
o-chlorotoluene	mg/L	0.001	110	1.11	<0.001
p-chlorotoluene	mg/L	0.001	99.4	1.92	<0.001
m-dichlorobenzene	mg/L	0.001	11[illegible]	1.[illegible]	<0.001
o-dichlorobenzene	mg/L	0.001	109	1.27	<0.001
1,1-dichloroethane	mg/L	0.001	103	.629	<0.001
trans-1,2-dichloroet	mg/L	0.001	111	1.07	<0.001
1,2-dichloropropane	mg/L	0.001	107	.382	<0.001
1,1,2-trichloroethan	mg/L	0.001	113	.414	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	114	1.32	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	116	10.3	0.301
Chlorobenzene	mg/L	0.001	104	.668	<0.001
Toluene	mg/L	0.001	99.1	1.92	<0.001
Ethylbenzene	mg/L	0.001	99.4	.333	<0.001
Bromobenzene	mg/L	0.001	105	.682	<0.001
[illegible]ene	mg/L	0.001	104	1.33	<0.001
Styrene	mg/L	0.001	99.1	1.92	0.001
o-Xylene	mg/L	0.001	104	1.33	<0.001
Dioxin	mg/L	0.000001	94.8	1.87	<0.000001
Dalapon	mg/L	0.002	101	14.3	<0.002
Simazine	mg/L	0.007	98.7	1.48	<0.007
Pentachlorophenol	mg/L	0.00007	102	1.97	<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.

[illegible]
[illegible]
Technical Director

[illegible] L. Flowers, Ph.D.
[illegible] L. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
305 407 339-5786

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar26 1991
PO Number: 891045

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

For: Datwayler/Lk.Conway/Holiday Hants.
Date Received: Mar 4 1991

Lab Number : 16408

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16408
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
Carboturan	mg/L	0.001	100	5.84	<0.001
Aldicarb	mg/L	0.002	92.0	6.71	<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
Chlordane	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	19.3	<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)pht	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	2.30	<0.0001

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.

Technical Director

481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Mar26 1991
PO Number: B91045

PO Number
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Gatwaylen/LK.Conway/Holiday Hgnts.
Date Received: Mar 4 1991 Lab Number : 16408

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16408
PCB_1232	mg/L	0.0001	102	2.86	<0.0001
PCB_1242	mg/L	0.0001	102	2.09	<0.0001
PCB_1248	mg/L	0.0001	96.3	2.31	<0.0001
PCB_1254	mg/L	0.0001	96.2	1.73	<0.0001
PCB_1260	mg/L	0.0001	91	.559	<0.0001
Diacetylprometalate	mg/L	0.001	98.7	1.05	<0.001
2-chlorobenzonol	mg/L	0.001	94.0	0.61	<0.001
2-methoxy-4,6-dinitrop	mg/L	0.001	0%	0.00	<0.001
Phenol	mg/L	0.001	105	0.60	<0.001
2,4,6-trichlorophenol	mg/L	0.001	91.2	1.73	<0.001

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FDL 7A 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
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5084
fax (407) 830-[illegible]

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.F . Number: 3480265
Public Water System Name Dartmyler Grand 4
Public Water System Type (check one):
(x)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi 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 16408
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 SUBMITTEI 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 Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/(() 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,-dichloroprop	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-chloropr	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-tetrachloroethe	16408	<0.001	EPA502.2	0.001	3/17/91
2988	1,1,2,2-tetrachloroetha	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	Hexachlorocyclopentadie	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	EPA505	0.0001	3/15/91
2400	PCB-1260	16408	<0.0001	EPA505	0.0001	3/15/91
9089	Dioctylphthalate	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-dinitrophe	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

Sam Spath

CLIENT	ADDRESS	PHONE
SSU	1000 Colon Place Apopka, FL 32703	880-0058 x 168

PROJECT NAME	REQUIRED:	DATE
B91045	☐ Urgent ☐ Routine	

Sample Containers QTY	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		
8															X							4 bottles
1																				X		

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

Parameters: Proc Ltr Org

Laboratory Number	Client Identification/Description
#105	Drtwtr Lab
116408	
#104	Ltr Drtwtr Lab

		Date	Time
Sample Collection:	Bill Tindel	3/3/91	11:00
Transportation:	Bill Tindel	3/4/91	
Lab Acceptance:		3/4/91	1:40

Page _____ of _____

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

381 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597

SSU SERVICES

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

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: B91045

PO Number SSU
FDHRS Lab# : 83139
FDER Lab# : EB301S
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE
Date Received: Jun 6 1991 Lab Number : 17109

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17109
Ethylene Dibromide	mg/L	0.000005	96.4	3.91	<0.000005
Paradichlorobenzene	mg/L	0.001	104	.557	<0.001
[illegible] Chloride	mg/L	0.001	112	7.55	<0.001
1,1-Dichloroethene	mg/L	0.001	113	7.52	<0.001
[illegible]dichloroethane	mg/L	0.001	107	1.89	<0.001
[illegible]dichloroethane	mg/L	0.001	110	.681	<0.001
Carbon Tetrachloride	mg/L	0.001	119	1.06	<0.001
[illegible] of Dichloroethene	mg/L	0.001	111	.709	<0.001
Tetrachloroethene	mg/L	0.001	107	.740	<0.001
Benzene	mg/L	0.001	105	.268	<0.001

Data Release Authorization

Samples [illegible] and released by certified Lab personnel prior to analysis. Methods of analysis in accordance with FDL DH and EPA approved methodology.

[illegible] Manager

Page [illegible]

Jefferson L. Flowers, Ph.D.
Jefferson A. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
[illegible]

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3480265
Public Water System Name Deerhaven
Public Water System Type (check one):
(X) 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 17109
Sample Location (be specific): #1 & #2 well
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special BNA, Pr. VOC.
Sampler Name, Title Phone: William Tendal

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 **Andrew B. Harrison**

Title **Laboratory Manager**

Laboratory **Flowers Chemical Laboratories,Inc.**

Date 6/10/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8(() 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:

[redacted]

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17:109

Attn: Sam Sparks

(1) Client: SSU
(2) Address: 1000 Colonial Center, Apopka, FL 32703
(3) Phone: 880-1058
(4) Public Drinking Water ID #:
(5) Public Water System Name: Dardenwyler
(6) Project #:
(7) PO#: B91045
(8) Public Water System Type: (X) Community ( ) Non-Community ( ) Special Non-Community

Preservatives			Plastic Containers						Glass Containers						NOTES:
	HNO3	ZnOAc/NaOH	60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L	(9) Turn Around Time: 10 Working Days: 5 Working Days : 3 Working Days : 1 Working Day : Other :
12									X						Orange Co. Dardenwyler 2 wells PLZ comp

(10) Kit Relinquished: [redacted] (11) Date: 5-31 (12) Time:
(13) Kit Received: (14) Date: (15) Time:

SAMPLE INFORMATION; SAMPLE DATE: MONTH____ DATE____ YEAR____
SAMPLE TYPE (check all applicable); ( ) check, ( ) regular distribution
( ) composite, ( ) clearance, ( ) max residence time, ( ) plant tap,
(X) raw, (X) well, ( ) resample_____, ( ) special_____
SAMPLER'S NAME: Bill Trendel TITLE: Oper. I PHONE:_____
SAMPLER'S SIGNATURE: William Trendel
NOTES:

No Air Bubbles
Keep COLD

(16) Parameter Group(s) Analyzed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic_X_;
Organic Chemical__; Secondary Chemical__; Radiological__; Unequated Organic Purgable__;
Unequated Organic Pesticide__; Unequated Base Neutral Extractable__; Unequated Acid Extractable__;

(17) Laboratory Number	(18) Client Sample Identification	Date	Time
17109	#1 H Conway Well 1 6/3 300	6/3	4-5
	#2 H Conway Well 1 6/4 Lib.	6/4	1:15
	#3 H Conway Well 1 6/5 400	6/5	1:30
	#4 H Conway Well 2 6/3 500	6/3	4-5
	#5 H Conway Well 2 6/4 MS	6/4	1:15
	#6 H Conway Well 2 6/5 400	6/5	1:30
	#7 Dardenwyler Well 1 6/3 330	6/3	4-5
	#8 Dardenwyler Well 1 6/4 230	6/4	1:15
	#9 Dardenwyler Well 1 6/5 330	6/5	1:30
	#10 Dardenwyler Well 2 6/3 330	6/3	4-5

(19) Collectors Signature: William Trendel 6/3 4-5
(20) Transporters Signature: Bill Trendel 6/6
(21) Lab Acceptance By: Laura A Schuck 6-6-91 10:10AM

@ Dardenwyler Well 2 6/4 1:30
@ Dardenwyler Well 2 6/5 1:30

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	TEST CODES and NAMES used on this report
01 Lake Conway	PWS033 Radiological Analysis
02 Daetwyler	

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

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: _____
Public Water System Name: Daetwyler
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 12/9/90

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 Daethyler
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		0.7	EPA 900.0	+/- 2.0	12/03/90
4006	Total Uranium		N/A			
4010	Total Radium		N/A			
4020	Radium-226		N/A			
4030	Radium-228		N/A			
4100	Gross Beta		N/A			--

Comments:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 90-11-317
Page: 4

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Gross Alpha	0.1	108	12/03/90	JAB

End of Report

0633

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 _____ of _____

1 INVOICE TO (COMPANY AND INDIVIDUAL) / ADDRESS (CITY, STATE, ZIP)	2 CONTACT PERSON/PHONE # INVOICE	3 OLI WORK ORDER # (LAB USE)
Southern States Utilities 1000 Color Place Apopka, FL 32703		9011317
4 ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) / ADDRESS (CITY, STATE, ZIP)	**5 CONTACT PERSON/PHONE # REPORT**	**6 RD NUMBER (LAB USE)**
Same		2612
7 (OPTIONAL) ADDITIONAL REPORTS SENT TO / ADDRESS (CITY, STATE, ZIP)		
8 CLIENT PROJECT NAME	**9 CLIENT PROJECT #**	

10 SAMPLE IDENTIFICATION	11 DATE/TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	17 NUMBER OF CONTAINERS	18 REQUESTED ANALYSIS: EPA 625 - Alpha	REMARKS 19
LAKE CROWN	11/26 9:30			✓						
WATER WELL	11/26 10:00			✓						

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY
1st	[signature]	11/27 14:40	[signature]
2nd	William Yandel	11/26 4:00PM	[signature]
3rd			

20 ADDITIONAL REMARKS

21 COOLER #'s

22 SAMPLER'S SIGNATURE William Yandel

ORIGINAL - LAB
YELLOW - FILE

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 22, 1989

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

Re: Daetwyler Shores Water Plant, Orange County, ID# 3480265

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
Engineering
file

enclosure (as stated)

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 # : 89-10-218
Date Received: 10/23/89
Date Reported: 11/14/89
OLI Contact: E_HOBBS

RECEIVED NOV 17 1989

Work ID: Daetwyler
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Daetwyler	608R DER 17-550 Reg. Pest 608s
02 Method Blank	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
	DERTRB 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 # 89-10-218

SAMPLE ID Deerhaven
DATE COLLECTED 10/23/89 10:30:00
TEST NAME DER 17-550 Req. 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	0.10	U	0.10
2010	Lindane	0.05	U	0.05
2015	Methoxychlor	0.50	U	0.50
2020	Toxaphene	1.00	U	1.00

ORLANDO LABORATORIES,INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-218

SAMPLE ID Oaethwier
DATE COLLECTED 10/23/89 10:30:00
TEST NAME DER 17-550 Reg. Pest 615s

SAMPLE# 01C
MATRIX WATER
TEST CODE 615R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHN

DATE EXTRACTED 10/26/89
DATE RUN 10/27/89
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2)(b)
(PWS029)

Parameter ID	Name	Analysis Result		Det. Lt.
2105	2,4-D	2.00	U	2.0
2110	2,4,5-TP (Silvex)	1.00	U	1.0

ORLANDO LABORATORIES,INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-218

SAMPLE ID Daetwyler
DATE COLLECTED 10/23/89 10:30:00
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(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1005	Arsenic	<0.010	EPA206.2	0.010	11/12/89
1010	Barium	<0.100	EPA200.7	0.100	11/03/89
1015	Cadmium	<0.005	EPA213.2	0.005	11/03/89
1020	Chromium	<0.010	EPA218.2	0.010	11/03/89
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	11.0	EPA200.7	0.001	11/03/89

ORLANDO LABORATORIES,INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-218

SAMPLE ID Dasbuyler
DATE COLLECTED 10/23/89 10:30:00
TEST NAME 17-550 Primary WetChem

SAMPLE# 01A
MATRIX WATER
TEST CODE DERPOW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1025	Fluoride	0.3	EPA340.2	0.1	10/26/89
1040	Nitrate (as N)	<0.03	EPA353.2	0.03	11/08/89

ORLANDO LABORATORIES,INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-218

SAMPLE ID Daetwyler
DATE COLLECTED 10/23/89 10:30:00
TEST NAME DER 17-5 Secondary Metals

SAMPLE# 01B
MATRIX WATER
TEST CODE DERSDM

(METALS)
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1022	Copper	0.093	EPA200.7	0.010	11/07/89
1028	Iron	0.121	EPA200.7	0.1	11/07/89
1032	Manganese	<0.050	EPA200.7	0.050	11/07/89
1095	Zinc	<0.050	EPA200.7	0.050	11/07/89
1919	Calcium Hardness	116	EPA200.7	2.5	11/07/89

ORLANDO LABORATORIES,INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-218

SAMPLE ID Castaviar
DATE COLLECTED 10/23/89 10:30:00
TEST NAME DER 17-5 Secondary Wat Chm

SAMPLE# 01B
MATRIX WATER
TEST CODE DERSDW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1017	Chloride	34	SM 407	1.0	10/27/89
1025	Fluoride	0.3	EPA340.2	0.1	10/27/89
1055	Sulfate	<1.0	EPA375.4	1.0	10/30/89
1901	Carbon Dioxide	<1.0	SM 406 C	1.0	11/10/89
1905	Color	5	SM 204 A	5PCU	10/24/89
1920	Odor Threshold	1	EPA140.1	1TON	10/24/89
1930	Total Dissolved Solids	150	EPA160.1	1.0	10/31/89
1927	Total Alkalinity	140	EPA310.1	2.0	10/24/89
1997	Langelier Index pHs	7.5	CALC.	N/A	11/10/89
1998	Langelier Sat. Index	-1.30	CALC.	N/A	11/10/89
2909	Foaming Agents	<0.1	EPA425.1	0.1	11/05/89

ORLANDO LABORATORIES,INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-218

SAMPLE ID Daybuyler
DATE COLLECTED 10/23/89 10:30:00
TEST NAME 17-550 Turbidity Analysis

SAMPLE# 01C
MATRIX WATER
TEST CODE DERTRB

TURBIDITY ANALYSIS
17-550.310(3)
(PWS026)

Parameter ID	Name	Analysis Result(NTU)	Method	Analysis 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 # 89-10-218

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
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	0.10	U	0.10
2010	Lindane	0.05	U	0.05
2015	Methoxychlor	0.50	U	0.50
2020	Toxaphene	1.00	U	1.00

ORLANDO LABORATORIES,INC.
Received: 10/23/89

REPORT OF ANALYSIS
Results by Sample

Work Order # 89-10-218

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Reg. Pest 615s

SAMPLE# 02A
MATRIX METHODBLANK
TEST CODE 615R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHW

DATE EXTRACTED 10/26/89
DATE RUN 10/27/89
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2)(b)
(PWS029)

Parameter ID	Name	Analysis Result		Det. Lt.
2105	2,4-D	2.00	U	2.0
2110	2,4,5-TP (Silvex)	1.00	U	1.0

Southern States Utilities
Attn: Aaron Perlowich

Report No: 89-10-218
Page No: 11

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Hercury	<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
Fluoride	2.1	104	10/26/89	JAB
Odor	<1	N/A	10/25/89	SRK
Color	<1	N/A	10/28/89	DR
Turbidity	4	N/A	10/26/89	GZT
Sulfate	<1	104	11/01/89	GZT
MBAS	<1	88	11/02/89	DR
TDS	<1	96	11/02/89	DR
pH	2	N/A	10/25/89	SRK
Total Alkalinity	1	97	10/25/89	SRK
Nitrogen, Nitrate	<1	97	11/01/89	DA

ORLANDO LABORATORIES, INC.

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	60	131	20	35	130	31
ALDRIN	49	129	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 : 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	44	88	38	86	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

End of Report

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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1 Nº 02142

INVOICE TO	ADDRESS	CONTACT/PHONE #	OLI WORK ORDER #
Southern States Utilities	1000 Color Place, Apopka, FL.	880-0100	8910218
REPORT TO: Aaron Pavlowich Same	ADDRESS		RB NUMBER

CLIENT PROJECT NAME | CLIENT PROJECT #

CLIENT PROJECT LOCATION

LAB USE ONLY	SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	WATER	SOIL	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	REQUESTED ANALYSIS: Turbidity, Inorganics, Dissolved, Dissolved Chromium	REMARKS
	Drotleyler	10/23/89	10:30		✓	✓				✓ ✓ ✓ ✓	

TRANSFER NUMBER	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	Harold L Brown	10/23/89 1120AM	N. Rutland	11:25 10/23/89

ADDITIONAL REMARKS:

Harold L. Brown
SAMPLER'S SIGNATURE

Original - Client
Yellow - Lab
Pink - File

Rev 03/89

0648

HRS

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 3 3 35 PM '91
12/10

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Daetwyler ✓ SYSTEM I.D. NO: 3480216 S SYSTEM PHONE #: 880 w 58

ADDRESS: % 1000 Color Place COUNTY: Orange DER DISTRICT: 03

COLLECTOR: John C. COLLECTOR PHONE #: 880 0058

SAMPLE SITE (Locality or Subdivision): Dartmouth

DATE AND TIME COLLECTED: 12/9/91 1:30 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 (Check Box) [✓] Distribution [ ] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	3401 Trentwood	0.8	7.4	0[illegible]53		A		
2	3013 Flowertree	0.7	7.4	0[illegible]54		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

HRS Form 655, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 6160-000-0661-4)

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: [signature]

TITLE: DER

Deltona Utilities - 18001

Volusia County (DUI)

Water

- 1992 FPSC Filing -

Deltona Lake

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	3/91
	5/91
	*
	10/91
Turbidity	2/90
Microbiological	12/91
Radionuclide	2/90
Secondary Contaminants	10/91
Unregulated Contaminants	3/91

* Due to error, the third quarter Volatile Organic Chemical analysis was not pulled.

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 2
Date Received: Oct17 1991 Lab Number : 18049

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18049
Calcium	mg/L	0.1	100	.534	48.9
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		135.6
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			135.01
Bicarbonate HCO3	mg/L	0.1			0.5
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	7.25
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
PHS (407) 339-5984

FLOWERS CHEMICAL LABORATORIES INCORPORATED

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Deltona,FL 32728

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SCDHEC Lab# : 96019

For: 2
Date Received: Oct17 1991 Lab Number : 18049

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18049
Carbon_Dioxide	mg/L	0.1			7.3
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			151.8
NCH_as_CaCO3	mg/L	0.1			16.2
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.57
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	136
TDS	mg/L	2.5	100	1.98	267
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.51

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Technical Director

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SCDHEC Lab# : 96019

For: 2
Date Received: Oct17 1991 Lab Number : 18049

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18049
Saturation Index	LX	0.01			0.06
Stability_Index	pH	0.01			7.45
Foaming_Agents	mg/L	0.1			-
Field DO	mg/L	0.1			-
Field Chlorine	mg/L	0.1			-

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Technical Director

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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: 5640287
Public Water System Name DELTONA Utilities
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyz: Turbidity___;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): 10-17-91
Laboratory Sample Number 18049
Sample Location (be specific): well #2 Willington Dr Unit #3
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: Randy Crowell Oper. 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () Satisfactory () Unsatisfactory

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	18049		48.9	EPA215.1	0.1	10/22/91
1017	Chloride	18049	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18049		135.6	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18049		0.0	SM406C	0.1	10/22/91
1022	Copper	18049	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18049		135.1	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18049		0.5	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18049			EPA376.1	0.5	
1028	Iron	18049	0.3		EPA236.1	0.01	
1031	Magnesium	18049		7.25	EPA242.1	0.01	10/22/91
1032	Manganese	18049	0.05		EPA243.1	0.005	
1055	Sulfate	18049	250		EPA300.0	0.200	
1095	Zinc	18049	5		EPA289.1	0.001	
1901	Carbon Dioxide	18049		7.3	SM406C	0.1	10/22/91
1905	Color (color units)	18049	15		EPA110.1	5	
1915	Total Hardness	18049		151.8	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18049		16.2	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18049	3		EPA140.1	1	
1924	Field pH (units)	18049	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18049	6.5-8.5	7.57	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18049			-	0.1	
1927	Total Alkalinity	18049		136	EPA310.1	0.1	10/31/91
1930	TDS	18049	500	267	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18049			EPA310.1	0.1	
1996	Field Temp. (C)	18049		25	-	1	10/22/91
1997	Langelier Index pHs	18049		7.51	SM203	0.01	10/22/91
1998	Saturation Index	18049	-0.2:+0	0.06	SM203	0.01	10/22/91
1999	Stability Index	18049		7.45	SM203	0.01	10/22/91
2909	Foaming Agents	18049	0.5		EPA425.1	0.1	
9996	Field DO	18049			-	0.1	
9997	Field Chlorine	18049			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 3
Date Received: Oct17 1991 Lab Number : 18050

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18050
Calcium	mg/L	0.1	100	.534	62
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		147.8
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			146.9
Bicarbonate HCO3	mg/L	0.1			0.9
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	3.1
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 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) 260-6410

FLOWERS CHEMICAL LABORATORIES INCORPORATED

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Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 3
Date Received: Oct17 1991 Lab Number : 18050

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18050
Carbon_Dioxide	mg/L	0.1			4.7
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			167.6
NCH_as_CaCO3	mg/L	0.1			19.8
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.8
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	148
TDS	mg/L	2.5	100	1.98	177
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.34

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FLOWERS

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Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 3
Date Received: Oct17 1991 Lab Number : 18050

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18050
Saturation Index	LX	0.01			0.46
Stability_Index	pH	0.01			6.88
Foaming_Agents	mg/L	0.1			-
Field DO	mg/L	0.1			-
Field Chlorine	mg/L	0.1			-

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BUS (407) 339-5984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3V02287
Public Water System Name Belton Utilities
Public Water System Type (check one):
(X) 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_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): 10-17-91
Laboratory Sample Number 18050
Sample Location (be specific): Well #3 Diamond St. Unit #6
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw ( )Well ( )Resample
( )Special
Sampler Name, Title Phone: Randy Council OPER 570-2181

ANALYSIS INFORMATION
Extraction Date ___/___/___
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (cha ()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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () Satisfactory () Unsatisfactory

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	18050		62.0	EPA215.1	0.1	10/22/91
1017	Chloride	18050	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18050		147.8	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18050		0.0	SM406C	0.1	10/22/91
1022	Copper	18050	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18050		146.9	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18050		0.9	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18050			EPA376.1	0.5	
1028	Iron	18050	0.3		EPA236.1	0.01	
1031	Magnesium	18050		3.10	EPA242.1	0.01	10/22/91
1032	Manganese	18050	0.05		EPA243.1	0.005	
1055	Sulfate	18050	250		EPA300.0	0.200	
1095	Zinc	18050	5		EPA289.1	0.001	
1901	Carbon Dioxide	18050		4.7	SM406C	0.1	10/22/91
1905	Color (color units)	18050	15		EPA110.1	5	
1915	Total Hardness	18050		167.6	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18050		19.8	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18050	3		EPA140.1	1	
1924	Field pH (units)	18050	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18050	6.5-8.5	7.80	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18050			-	0.1	
1927	Total Alkalinity	18050		148	EPA310.1	0.1	10/31/91
1930	TDS	18050	500	177	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18050			EPA310.1	0.1	
1996	Field Temp. (C)	18050		25	-	1	10/22/91
1997	Langelier Index pHs	18050		7.34	SM203	0.01	10/22/91
1998	Saturation Index	18050	-0.2:+0	0.46	SM203	0.01	10/22/91
1999	Stability Index	18050		6.88	SM203	0.01	10/22/91
2909	Foaming Agents	18050	0.5		EPA425.1	0.1	
9996	Field DO	18050			-	0.1	
9997	Field Chlorine	18050			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 4
Date Received: Oct17 1991 Lab Number : 18051

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18051
Calcium	mg/L	0.1	100	.534	48.8
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		109.8
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			109.01
Bicarbonate HCO3	mg/L	0.1			0.7
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	8.85
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 4
Date Received: Oct17 1991 Lab Number : 18051

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18051
Carbon_Dioxide	mg/L	0.1			3.1
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			158.3
NCH_as_CaCO3	mg/L	0.1			48.5
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.84
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	110
TDS	mg/L	2.5	100	1.98	310
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.62

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

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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 4
Date Received: Oct17 1991 Lab Number : 18051

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18051
Saturation Index	LX	0.01			0.23
Stability_Index	pH	0.01			7.39
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.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L. Rowan, Ph.D.
Jefferson S. Flowers, Ph.D.
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FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640267
Public Water System Name: DELTONA Utilities
Public Water System Type (check one):
(X)Commun ( )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_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): 10-17-91
Laboratory Sample Number 18051
Sample Location (be specific): well #4 Elkcam Blvd. Unit #2C
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Randy Cansler - oper - 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

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	18051		48.8	EPA215.1	0.1	10/22/91
1017	Chloride	18051	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18051		109.8	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18051		0.0	SM406C	0.1	10/22/91
1022	Copper	18051	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18051		109.1	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18051		0.7	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18051			EPA376.1	0.5	
1028	Iron	18051	0.3		EPA236.1	0.01	
1031	Magnesium	18051		8.85	EPA242.1	0.01	10/22/91
1032	Manganese	18051	0.05		EPA243.1	0.005	
1055	Sulfate	18051	250		EPA300.0	0.200	
1095	Zinc	18051	5		EPA289.1	0.001	
1901	Carbon Dioxide	18051		3.1	SM406C	0.1	10/22/91
1905	Color (color units)	18051	15		EPA110.1	5	
1915	Total Hardness	18051		158.3	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18051		48.5	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18051	3		EPA140.1	1	
1924	Field pH (units)	18051	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18051	6.5-8.5	7.84	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18051			-	0.1	
1927	Total Alkalinity	18051		110	EPA310.1	0.1	10/31/91
1930	TDS	18051	500	310	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18051			EPA310.1	0.1	
1996	Field Temp. (C)	18051		25	-	1	10/22/91
1997	Langelier Index pHs	18051		7.62	SM203	0.01	10/22/91
1998	Saturation Index	18051	-0.2:+0	0.23	SM203	0.01	10/22/91
1999	Stability Index	18051		7.39	SM203	0.01	10/22/91
2909	Foaming Agents	18051	0.5		EPA425.1	0.1	
9996	Field DO	18051			-	0.1	
9997	Field Chlorine	18051			-	0.1	

Comments:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 6
Date Received: Oct17 1991 Lab Number : 18052

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18052
Calcium	mg/L	0.1	100	.534	50.5
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		132.7
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			132.01
Bicarbonate HCO3	mg/L	0.1			0.6
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	8.7
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 L. Flowers, Ph.D
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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 6
Date Received: Oct17 1991 Lab Number : 18052

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18052
Carbon_Dioxide	mg/L	0.1			5.7
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			161.8
NCH_as_CaCO3	mg/L	0.1			29.1
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.66
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	133
TDS	mg/L	2.5	100	1.98	327
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.52

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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
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PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 6
Date Received: Oct17 1991 Lab Number : 18052

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18052
Saturation Index	LX	0.01			0.14
Stability_Index	pH	0.01			7.38
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.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
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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: 3640287
Public Water System Name Decatur Utilities
Public Water System Type (check one):
(X)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_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): 10-17-91
Laboratory Sample Number 18052
Sample Location (be specific): Well #6 Lomaloy Dr. Unit #30
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: Randy Cornell - OPER - 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

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	18052		50.5	EPA215.1	0.1	10/22/91
1017	Chloride	18052	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18052		132.7	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18052		0.0	SM406C	0.1	10/22/91
1022	Copper	18052	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18052		132.1	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18052		0.6	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18052			EPA376.1	0.5	
1028	Iron	18052	0.3		EPA236.1	0.01	
1031	Magnesium	18052		8.70	EPA242.1	0.01	10/22/91
1032	Manganese	18052	0.05		EPA243.1	0.005	
1055	Sulfate	18052	250		EPA300.0	0.200	
1095	Zinc	18052	5		EPA289.1	0.001	
1901	Carbon Dioxide	18052		5.7	SM406C	0.1	10/22/91
1905	Color (color units)	18052	15		EPA110.1	5	
1915	Total Hardness	18052		161.8	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18052		29.1	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18052	3		EPA140.1	1	
1924	Field pH (units)	18052	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18052	6.5-8.5	7.66	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18052			-	0.1	
1927	Total Alkalinity	18052		133	EPA310.1	0.1	10/31/91
1930	TDS	18052	500	327	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18052			EPA310.1	0.1	
1996	Field Temp. (C)	18052		25	-	1	10/22/91
1997	Langelier Index pHs	18052		7.52	SM203	0.01	10/22/91
1998	Saturation Index	18052	-0.2:+0	0.14	SM203	0.01	10/22/91
1999	Stability Index	18052		7.38	SM203	0.01	10/22/91
2909	Foaming Agents	18052	0.5		EPA425.1	0.1	
9996	Field DO	18052			-	0.1	
9997	Field Chlorine	18052			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 8
Date Received: Oct17 1991 Lab Number : 18053

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18053
Calcium	mg/L	0.1	100	.534	51.6
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		128.3
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			127.7
Bicarbonate HCO3	mg/L	0.1			0.6
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	10
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 L. Flowers, Ph.D
Jefferson S. Flowers, Ph.D
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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
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PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 8
Date Received: Oct17 1991 Lab Number : 18053

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18053
Carbon_Dioxide	mg/L	0.1			5
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			170
NCH_as_CaCO3	mg/L	0.1			41.7
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.71
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	128
TDS	mg/L	2.5	100	1.98	347
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.53

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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 8
Date Received: Oct17 1991 Lab Number : 18053

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18053
Saturation Index	LX	0.01			0.17
Stability_Index	pH	0.01			7.36
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3610287
Public Water System Name: Selma Util. Sys
Public Water System Type (check one):
(X)Commun ( )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_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): 10-17-91
Laboratory Sample Number 18053
Sample Location (be specific): Well #6 Company Dr. Unit #30
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special___
Sampler Name, Title Phone: Randy Connell - Oper. 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

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

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	18053		51.6	EPA215.1	0.1	10/22/91
1017	Chloride	18053	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18053		128.3	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18053		0.0	SM406C	0.1	10/22/91
1022	Copper	18053	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18053		127.7	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18053		0.6	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18053			EPA376.1	0.5	
1028	Iron	18053	0.3		EPA236.1	0.01	
1031	Magnesium	18053		10.0	EPA242.1	0.01	10/22/91
1032	Manganese	18053	0.05		EPA243.1	0.005	
1055	Sulfate	18053	250		EPA300.0	0.200	
1095	Zinc	18053	5		EPA289.1	0.001	
1901	Carbon Dioxide	18053		5.0	SM406C	0.1	10/22/91
1905	Color (color units)	18053	15		EPA110.1	5	
1915	Total Hardness	18053		170.0	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18053		41.7	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18053	3		EPA140.1	1	
1924	Field pH (units)	18053	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18053	6.5-8.5	7.71	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18053			-	0.1	
1927	Total Alkalinity	18053		128	EPA310.1	0.1	10/31/91
1930	TDS	18053	500	347	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18053			EPA310.1	0.1	
1996	Field Temp. (C)	18053		25	-	1	10/22/91
1997	Langelier Index pHs	18053		7.53	SM203	0.01	10/22/91
1998	Saturation Index	18053	-0.2:+0	0.17	SM203	0.01	10/22/91
1999	Stability Index	18053		7.36	SM203	0.01	10/22/91
2909	Foaming Agents	18053	0.5		EPA425.1	0.1	
9996	Field DO	18053			-	0.1	
9997	Field Chlorine	18053			-	0.1	

Comments:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 9
Date Received: Oct17 1991 Lab Number : 18054

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18054
Calcium	mg/L	0.1	100	.534	55.4
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		123.4
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			122.4
Bicarbonate HCO3	mg/L	0.1			0.9
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	12.8
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
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Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 9
Date Received: Oct17 1991 Lab Number : 18054

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18054
Carbon_Dioxide	mg/L	0.1			3.1
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			191
NCH_as_CaCO3	mg/L	0.1			67.7
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.9
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	123
TDS	mg/L	2.5	100	1.98	437
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.54

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

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FAX: (407) 260-6110

FLOWERS

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Received From:
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PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 9
Date Received: Oct17 1991 Lab Number : 18054

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18054
Saturation Index	LX	0.01			0.36
Stability_Index	pH	0.01			7.18
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name: DELTONA Utilities
Public Water System Type (check one):
(X)Com nun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyz: Turbidity___;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): 10-17-91
Laboratory Sample Number 18054
Sample Location (be specific): Well #9 Seven Blvd. Unit #11
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: Randy Crandell - spec- 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () Satisfactory () Unsatisfactory

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	18054		55.4	EPA215.1	0.1	10/22/91
1017	Chloride	18054	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18054		123.4	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18054		0.0	SM406C	0.1	10/22/91
1022	Copper	18054	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18054		122.4	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18054		0.9	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18054			EPA376.1	0.5	
1028	Iron	18054	0.3		EPA236.1	0.01	
1031	Magnesium	18054		12.8	EPA242.1	0.01	10/22/91
1032	Manganese	18054	0.05		EPA243.1	0.005	
1055	Sulfate	18054	250		EPA300.0	0.200	
1095	Zinc	18054	5		EPA289.1	0.001	
1901	Carbon Dioxide	18054		3.1	SM406C	0.1	10/22/91
1905	Color (color units)	18054	15		EPA110.1	5	
1915	Total Hardness	18054		191.0	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18054		67.7	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18054	3		EPA140.1	1	
1924	Field pH (units)	18054	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18054	6.5-8.5	7.90	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18054			-	0.1	
1927	Total Alkalinity	18054		123	EPA310.1	0.1	10/31/91
1930	TDS	18054	500	437	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18054			EPA310.1	0.1	
1996	Field Temp. (C)	18054		25	-	1	10/22/91
1997	Langelier Index pHs	18054		7.54	SM203	0.01	10/22/91
1998	Saturation Index	18054	-0.2:+0	0.36	SM203	0.01	10/22/91
1999	Stability Index	18054		7.18	SM203	0.01	10/22/91
2909	Foaming Agents	18054	0.5		EPA425.1	0.1	
9996	Field DO	18054			-	0.1	
9997	Field Chlorine	18054			-	0.1	

Comments:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 12
Date Received: Oct17 1991 Lab Number : 18055

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18055
Calcium	mg/L	0.1	100	.534	54.2
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		118.5
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			117.8
Bicarbonate HCO3	mg/L	0.1			0.7
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	12.2
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
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Deltona,FL 32728

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PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 12
Date Received: Oct17 1991 Lab Number : 18055

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18055
Carbon_Dioxide	mg/L	0.1			3.5
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			185.5
NCH_as_CaCO3	mg/L	0.1			66.9
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.83
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	119
TDS	mg/L	2.5	100	1.98	457
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.57

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.
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FAX: (407) 260-6110

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

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PO Box 5309
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Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 12
Date Received: Oct17 1991 Lab Number : 18055

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18055
Saturation Index	LX	0.01			0.26
Stability_Index	pH	0.01			7.31
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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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: 3640287
Public Water System Name: DELTONA UTILITIES
Public Water System Type (check one):
(X)Commun ( )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_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): 10-17-91
Laboratory Sample Number 18055
Sample Location (be specific): Well #12 Sabal Blvd. Unit # 11
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Randy Cornelius -Oper.- 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

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	18055		54.2	EPA215.1	0.1	10/22/91
1017	Chloride	18055	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18055		118.5	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18055		0.0	SM406C	0.1	10/22/91
1022	Copper	18055	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18055		117.8	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18055		0.7	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18055			EPA376.1	0.5	
1028	Iron	18055	0.3		EPA236.1	0.01	
1031	Magnesium	18055		12.2	EPA242.1	0.01	10/22/91
1032	Manganese	18055	0.05		EPA243.1	0.005	
1055	Sulfate	18055	250		EPA300.0	0.200	
1095	Zinc	18055	5		EPA289.1	0.001	
1901	Carbon Dioxide	18055		3.5	SM406C	0.1	10/22/91
1905	Color (color units)	18055	15		EPA110.1	5	
1915	Total Hardness	18055		185.5	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18055		66.9	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18055	3		EPA140.1	1	
1924	Field pH (units)	18055	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18055	6.5-8.5	7.83	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18055			-	0.1	
1927	Total Alkalinity	18055		119	EPA310.1	0.1	10/31/91
1930	TDS	18055	500	457	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18055			EPA310.1	0.1	
1996	Field Temp. (C)	18055		25	-	1	10/22/91
1997	Langelier Index pHs	18055		7.57	SM203	0.01	10/22/91
1998	Saturation Index	18055	-0.2:+0	0.26	SM203	0.01	10/22/91
1999	Stability Index	18055		7.31	SM203	0.01	10/22/91
2909	Foaming Agents	18055	0.5		EPA425.1	0.1	
9996	Field DO	18055			-	0.1	
9997	Field Chlorine	18055			-	0.1	

Comments:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 14
Date Received: Oct17 1991 Lab Number : 18056

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18056
Calcium	mg/L	0.1	100	.534	53.5
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		126.8
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			126
Bicarbonate HCO3	mg/L	0.1			0.7
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	11
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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FLORIDA 32715-0597
(407) 332-5584

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 14
Date Received: Oct17 1991 Lab Number : 18056

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18056
Carbon_Dioxide	mg/L	0.1			4.01
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			178.6
NCH_as_CaCO3	mg/L	0.1			51.8
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.79
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	127
TDS	mg/L	2.5	100	1.98	407
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.54

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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

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Deltona,FL 32728

Date Reported: Nov 1 1991
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FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 14
Date Received: Oct17 1991 Lab Number : 18056

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18056
Saturation Index	LX	0.01			0.25
Stability_Index	pH	0.01			7.28
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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Jefferson S. Flowers, Ph.D.
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FLORIDA 32715-0697
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FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name: DELTONA UTILITIES
Public Water System Type (check one):
(X)Com mun ( )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_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): 10-17-91
Laboratory Sample Number 18056
Sample Location (be specific): 6151 #14 Saxon Blvd Unit #11
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: Randy Caudle-Opie 574-2181

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 Laborstories,Inc.

Date 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

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	18056		53.5	EPA215.1	0.1	10/22/91
1017	Chloride	18056	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18056		126.8	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18056		0.0	SM406C	0.1	10/22/91
1022	Copper	18056	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18056		126.0	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18056		0.7	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18056			EPA376.1	0.5	
1028	Iron	18056	0.3		EPA236.1	0.01	
1031	Magnesium	18056		11.0	EPA242.1	0.01	10/22/91
1032	Manganese	18056	0.05		EPA243.1	0.005	
1055	Sulfate	18056	250		EPA300.0	0.200	
1095	Zinc	18056	5		EPA289.1	0.001	
1901	Carbon Dioxide	18056		4.1	SM406C	0.1	10/22/91
1905	Color (color units)	18056	15		EPA110.1	5	
1915	Total Hardness	18056		178.6	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18056		51.8	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18056	3		EPA140.1	1	
1924	Field pH (units)	18056	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18056	6.5-8.5	7.79	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18056			-	0.1	
1927	Total Alkalinity	18056		127	EPA310.1	0.1	10/31/91
1930	TDS	18056	500	407	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18056			EPA310.1	0.1	
1996	Field Temp. (C)	18056		25	-	1	10/22/91
1997	Langelier Index pHs	18056		7.54	SM203	0.01	10/22/91
1998	Saturation Index	18056	-0.2:+0	0.25	SM203	0.01	10/22/91
1999	Stability Index	18056		7.28	SM203	0.01	10/22/91
2909	Foaming Agents	18056	0.5		EPA425.1	0.1	
9996	Field DO	18056			-	0.1	
9997	Field Chlorine	18056			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 15
Date Received: Oct17 1991 Lab Number : 18057

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18057
Calcium	mg/L	0.1	100	.534	52.8
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		175.4
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			174.2
Bicarbonate HCO3	mg/L	0.1			1.1
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	11.7
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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Jefferson S. Flowers, Ph.D.
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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 15
Date Received: Oct17 1991 Lab Number : 18057

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18057
Carbon_Dioxide	mg/L	0.1			5
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			179.7
NCH_as_CaCO3	mg/L	0.1			4.3
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.84
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	175
TDS	mg/L	2.5	100	1.98	227
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.35

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.
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FLOWERS CHEMICAL LABORATORIES INCORPORATED

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

For: 15
Date Received: Oct17 1991 Lab Number : 18057

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18057
Saturation Index	LX	0.01			0.49
Stability_Index	pH	0.01			6.87
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

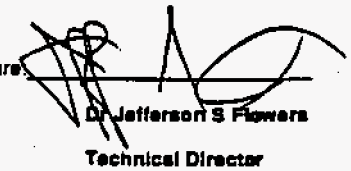
PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 8640287
Public Water System Name DELTONA Utilities
Public Water System Type (check one):
(X)Community ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzed: Turbidity___;Inorganic___; Trihalomethane ___;
Volatile Organic___; Organic Chemical___; Secondary Chemical_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): 10-17-91
Laboratory Sample Number 18057
Sample Location (be specific): 4811 #15 Courtland Blvd. Unit #32
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Randy Cornell - DER - 574-2161

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

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	18057		52.8	EPA215.1	0.1	10/22/91
1017	Chloride	18057	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18057		175.4	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18057		0.0	SM406C	0.1	10/22/91
1022	Copper	18057	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18057		174.2	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18057		1.1	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18057			EPA376.1	0.5	
1028	Iron	18057	0.3		EPA236.1	0.01	
1031	Magnesium	18057		11.7	EPA242.1	0.01	10/22/91
1032	Manganese	18057	0.05		EPA243.1	0.005	
1055	Sulfate	18057	250		EPA300.0	0.200	
1095	Zinc	18057	5		EPA289.1	0.001	
1901	Carbon Dioxide	18057		5.0	SM406C	0.1	10/22/91
1905	Color (color units)	18057	15		EPA110.1	5	
1915	Total Hardness	18057		179.7	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18057		4.3	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18057	3		EPA140.1	1	
1924	Field pH (units)	18057	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18057	6.5-8.5	7.84	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18057			-	0.1	
1927	Total Alkalinity	18057		175	EPA310.1	0.1	10/31/91
1930	TDS	18057	500	227	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18057			EPA310.1	0.1	
1996	Field Temp. (C)	18057		25	-	1	10/22/91
1997	Langelier Index pHs	18057		7.35	SM203	0.01	10/22/91
1998	Saturation Index	18057	-0.2:+0	0.49	SM203	0.01	10/22/91
1999	Stability Index	18057		6.87	SM203	0.01	10/22/91
2909	Foaming Agents	18057	0.5		EPA425.1	0.1	
9996	Field DO	18057			-	0.1	
9997	Field Chlorine	18057			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 16
Date Received: Oct17 1991 Lab Number : 18058

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18058
Calcium	mg/L	0.1	100	.534	57.3
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		128.8
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			128
Bicarbonate HCO3	mg/L	0.1			0.7
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	15.3
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 L. Flowers, PhD
Jefferson S. Flowers, Ph.D.
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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 16
Date Received: Oct17 1991 Lab Number : 18058

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18058
Carbon_Dioxide	mg/L	0.1			4.3
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			205.8
NCH_as_CaCO3	mg/L	0.1			77
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.77
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	129
TDS	mg/L	2.5	100	1.98	487
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.52

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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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FAX: (407) 260-6110

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 16
Date Received: Oct17 1991 Lab Number : 18058

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18058
Saturation Index	LX	0.01			0.25
Stability_Index	pH	0.01			7.26
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.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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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: 3640287
Public Water System Name: DELTONA Utilities
Public Water System Type (check one):
(X)Comm nun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi Turbidity___;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): 10-17-91
Laboratory Sample Number 18058
Sample Location (be specific): well #16 Saxon Blvd. Unit #11
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residance Time ( )Plant Tap
(X)Raw (X)Well ( )Resampl
( )Special_____
Sampler Name, Title Phone: Randy Cornell agent 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () Satisfactory () Unsatisfactory

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	18058		57.3	EPA215.1	0.1	10/22/91
1017	Chloride	18058	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18058		128.8	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18058		0.0	SM406C	0.1	10/22/91
1022	Copper	18058	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18058		128.0	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18058		0.7	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18058			EPA376.1	0.5	
1028	Iron	18058	0.3		EPA236.1	0.01	
1031	Magnesium	18058		15.3	EPA242.1	0.01	10/22/91
1032	Manganese	18058	0.05		EPA243.1	0.005	
1055	Sulfate	18058	250		EPA300.0	0.200	
1095	Zinc	18058	5		EPA289.1	0.001	
1901	Carbon Dioxide	18058		4.3	SM406C	0.1	10/22/91
1905	Color (color units)	18058	15		EPA110.1	5	
1915	Total Hardness	18058		205.8	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18058		77.0	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18058	3		EPA140.1	1	
1924	Field pH (units)	18058	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18058	6.5-8.5	7.77	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18058			-	0.1	
1927	Total Alkalinity	18058		129	EPA310.1	0.1	10/31/91
1930	TDS	18058	500	487	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18058			EPA310.1	0.1	
1996	Field Temp. (C)	18058		25	-	1	10/22/91
1997	Langelier Index pHs	18058		7.52	SM203	0.01	10/22/91
1998	Saturation Index	18058	-0.2:+0	0.25	SM203	0.01	10/22/91
1999	Stability Index	18058		7.26	SM203	0.01	10/22/91
2909	Foaming Agents	18058	0.5		EPA425.1	0.1	
9996	Field DO	18058			-	0.1	
9997	Field Chlorine	18058			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 17
Date Received: Oct17 1991 Lab Number : 18059

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18059
Calcium	mg/L	0.1	100	.534	59.4
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		164.2
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			163.01
Bicarbonate HCO3	mg/L	0.1			1.1
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	6.3
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 17
Date Received: Oct17 1991 Lab Number : 18059

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18059
Carbon_Dioxide	mg/L	0.1			4.4
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			174.3
NCH_as_CaCO3	mg/L	0.1			10
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.87
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	164
TDS	mg/L	2.5	100	1.98	187
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.32

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.
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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 17
Date Received: Oct17 1991 Lab Number : 18059

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18059
Saturation Index	LX	0.01			0.55
Stability_Index	pH	0.01			6.76
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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FLORIDA 32715-0597
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FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name DELTONA Utilities
Public Water System Type (check one):
(X)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_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): 10-17-91
Laboratory Sample Number 18059
Sample Location (be specific): 4211 N 17 Courtland Blvd. Unit #32
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Randy Crandell - Oper - 574-2191

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

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

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	18059		59.4	EPA215.1	0.1	10/22/91
1017	Chloride	18059	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18059		164.2	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18059		0.0	SM406C	0.1	10/22/91
1022	Copper	18059	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18059		163.1	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18059		1.1	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18059			EPA376.1	0.5	
1028	Iron	18059	0.3		EPA236.1	0.01	
1031	Magnesium	18059		6.30	EPA242.1	0.01	10/22/91
1032	Manganese	18059	0.05		EPA243.1	0.005	
1055	Sulfate	18059	250		EPA300.0	0.200	
1095	Zinc	18059	5		EPA289.1	0.001	
1901	Carbon Dioxide	18059		4.4	SM406C	0.1	10/22/91
1905	Color (color units)	18059	15		EPA110.1	5	
1915	Total Hardness	18059		174.3	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18059		10.0	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18059	3		EPA140.1	1	
1924	Field pH (units)	18059	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18059	6.5-8.5	7.87	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18059			-	0.1	
1927	Total Alkalinity	18059		164	EPA310.1	0.1	10/31/91
1930	TDS	18059	500	187	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18059			EPA310.1	0.1	
1996	Field Temp. (C)	18059		25	-	1	10/22/91
1997	Langelier Index pHs	18059		7.32	SM203	0.01	10/22/91
1998	Saturation Index	18059	-0.2:+0	0.55	SM203	0.01	10/22/91
1999	Stability Index	18059		6.76	SM203	0.01	10/22/91
2909	Foaming Agents	18059	0.5		EPA425.1	0.1	
9996	Field DO	18059			-	0.1	
9997	Field Chlorine	18059			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 18
Date Received: Oct17 1991 Lab Number : 18060

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18060
Calcium	mg/L	0.1	100	.534	52.1
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		153.4
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			156.6
Bicarbonate HCO3	mg/L	0.1			1.3
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	5.7
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 18
Date Received: Oct17 1991 Lab Number : 18060

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18060
Carbon_Dioxide	mg/L	0.1			3.4
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			153.4
NCH_as_CaCO3	mg/L	0.1			<0.1
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.96
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	158
TDS	mg/L	2.5	100	1.98	187
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.39

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

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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 18
Date Received: Oct17 1991 Lab Number : 18060

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18060
Saturation Index	LX	0.01			0.57
Stability_Index	pH	0.01			6.82
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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441 NEWBURYPORT
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BUS: (407) 339-5984
FAX: (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name: Decatur Utilities
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS #3139
Parameter Group(s) Analyzed: Turbidity___;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): 10-17-91
Laboratory Sample Number 18060
Sample Location (be specific): 4511 FB Courtland Blvd Unit #B2
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw ( )Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Randy Cornell -Oper- 534-2121

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

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	18060		52.1	EPA215.1	0.1	10/22/91
1017	Chloride	18060	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18060		153.4	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18060		0.0	SM406C	0.1	10/22/91
1022	Copper	18060	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18060		156.6	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18060		1.3	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18060			EPA376.1	0.5	
1028	Iron	18060	0.3		EPA236.1	0.01	
1031	Magnesium	18060		5.70	EPA242.1	0.01	10/22/91
1032	Manganese	18060	0.05		EPA243.1	0.005	
1055	Sulfate	18060	250		EPA300.0	0.200	
1095	Zinc	18060	5		EPA289.1	0.001	
1901	Carbon Dioxide	18060		3.4	SM406C	0.1	10/22/91
1905	Color (color units)	18060	15		EPA110.1	5	
1915	Total Hardness	18060		153.4	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18060		<0.1	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18060	3		EPA140.1	1	
1924	Field pH (units)	18060	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18060	6.5-8.5	7.96	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18060			-	0.1	
1927	Total Alkalinity	18060		158	EPA310.1	0.1	10/31/91
1930	TDS	18060	500	187	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18060			EPA310.1	0.1	
1996	Field Temp. (C)	18060		25	-	1	10/22/91
1997	Langelier Index pHs	18060		7.39	SM203	0.01	10/22/91
1998	Saturation Index	18060	-0.2:+0	0.57	SM203	0.01	10/22/91
1999	Stability Index	18060		6.82	SM203	0.01	10/22/91
2909	Foaming Agents	18060	0.5		EPA425.1	0.1	
9996	Field DO	18060			-	0.1	
9997	Field Chlorine	18060			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 20
Date Received: Oct17 1991 Lab Number : 18061

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18061
Calcium	mg/L	0.1	100	.534	42.8
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		117.01
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			116
Bicarbonate HCO3	mg/L	0.1			1
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	2.75
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 20
Date Received: Oct17 1991 Lab Number : 18061

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18061
Carbon_Dioxide	mg/L	0.1			2.5
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			118.01
NCH_as_CaCO3	mg/L	0.1			1
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.97
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	117
TDS	mg/L	2.5	100	1.98	153
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.59

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.
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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 20
Date Received: Oct17 1991 Lab Number : 18061

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18061
Saturation Index	LX	0.01			0.38
Stability_Index	pH	0.01			7.22
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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FLORIDA 32715-0597
BUS: (407) 339-5084
FAX: (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3140237
Public Water System Name DELTONA Utilities
Public Water System Type (check one):
(X) 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_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): 10-17-91
Laboratory Sample Number 18061
Sample Location (be specific): Well #20 Method Blank Unit # 74
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw ( )Well ( )Resample
( )Special
Sampler Name, Title Phone: Randy Cornell spec. 574-2191

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () Satisfactory () Unsatisfactory

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	18061		42.8	EPA215.1	0.1	10/22/91
1017	Chloride	18061	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18061		117.1	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18061		0.0	SM406C	0.1	10/22/91
1022	Copper	18061	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18061		116.0	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18061		1.0	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18061			EPA376.1	0.5	
1028	Iron	18061	0.3		EPA236.1	0.01	
1031	Magnesium	18061		2.75	EPA242.1	0.01	10/22/91
1032	Manganese	18061	0.05		EPA243.1	0.005	
1055	Sulfate	18061	250		EPA300.0	0.200	
1095	Zinc	18061	5		EPA289.1	0.001	
1901	Carbon Dioxide	18061		2.5	SM406C	0.1	10/22/91
1905	Color (color units)	18061	15		EPA110.1	5	
1915	Total Hardness	18061		118.1	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18061		1.0	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18061	3		EPA140.1	1	
1924	Field pH (units)	18061	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18061	6.5-8.5	7.97	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18061			-	0.1	
1927	Total Alkalinity	18061		117	EPA310.1	0.1	10/31/91
1930	TDS	18061	500	153	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18061			EPA310.1	0.1	
1996	Field Temp. (C)	18061		25	-	1	10/22/91
1997	Langelier Index pHs	18061		7.59	SM203	0.01	10/22/91
1998	Saturation Index	18061	-0.2:+0	0.38	SM203	0.01	10/22/91
1999	Stability Index	18061		7.22	SM203	0.01	10/22/91
2909	Foaming Agents	18061	0.5		EPA425.1	0.1	
9996	Field DO	18061			-	0.1	
9997	Field Chlorine	18061			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 21
Date Received: Oct17 1991 Lab Number : 18062

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18062
Calcium	mg/L	0.1	100	.534	48.8
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		140.8
Hydroxide CaCO3	mg/L	0.1			0.1
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			139.3
Bicarbonate HCO3	mg/L	0.1			1.5
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	9.4
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 21
Date Received: Oct17 1991 Lab Number : 18062

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18062
Carbon_Dioxide	mg/L	0.1			2.4
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			160.4
NCH_as_CaCO3	mg/L	0.1			19.6
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	8.06
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	141
TDS	mg/L	2.5	100	1.98	207
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.48

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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 21
Date Received: Oct17 1991 Lab Number : 18062

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18062
Saturation Index	LX	0.01			0.58
Stability_Index	pH	0.01			6.9
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name Deltona Utilities
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi Turbidity___;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): 10-17-91
Laboratory Sample Number 18082
Sample Location (be specific): well #21 Courtland Blvd. Unit #42
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: Randy Chesnell opr 574-2891

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

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	18062		48.8	EPA215.1	0.1	10/22/91
1017	Chloride	18062	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18062		140.8	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18062		0.1	SM406C	0.1	10/22/91
1022	Copper	18062	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18062		139.3	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18062		1.5	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18062			EPA376.1	0.5	
1028	Iron	18062	0.3		EPA236.1	0.01	
1031	Magnesium	18062		9.40	EPA242.1	0.01	10/22/91
1032	Manganese	18062	0.05		EPA243.1	0.005	
1055	Sulfate	18062	250		EPA300.0	0.200	
1095	Zinc	18062	5		EPA289.1	0.001	
1901	Carbon Dioxide	18062		2.4	SM406C	0.1	10/22/91
1905	Color (color units)	18062	15		EPA110.1	5	
1915	Total Hardness	18062		160.4	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18062		19.6	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18062	3		EPA140.1	1	
1924	Field pH (units)	18062	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18062	6.5-8.5	8.06	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18062			-	0.1	
1927	Total Alkalinity	18062		141	EPA310.1	0.1	10/31/91
1930	TDS	18062	500	207	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18062			EPA310.1	0.1	
1996	Field Temp. (C)	18062		25	-	1	10/22/91
1997	Langelier Index pHs	18062		7.48	SM203	0.01	10/22/91
1998	Saturation Index	18062	-0.2:+0	0.58	SM203	0.01	10/22/91
1999	Stability Index	18062		6.90	SM203	0.01	10/22/91
2909	Foaming Agents	18062	0.5		EPA425.1	0.1	
9996	Field DO	18062			-	0.1	
9997	Field Chlorine	18062			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 22
Date Received: Oct17 1991 Lab Number : 18063

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18063
Calcium	mg/L	0.1	100	.534	52.4
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		140.2
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			139
Bicarbonate HCO3	mg/L	0.1			1.2
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	12.5
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 22
Date Received: Oct17 1991 Lab Number : 18063

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18063
Carbon_Dioxide	mg/L	0.1			3.2
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			182
NCH_as_CaCO3	mg/L	0.1			41.8
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.95
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	140
TDS	mg/L	2.5	100	1.98	380
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.5

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

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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 22
Date Received: Oct17 1991 Lab Number : 18063

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18063
Saturation Index	LX	0.01			0.45
Stability_Index	pH	0.01			7.05
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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481 NEWBURYPORT
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FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System .D. Number: 3640297
Public Water System Name Deltona Utilities
Public Water System Type (check one):
(X)Comman ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi Turbidity___;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): 10-17-91
Laboratory Sample Number 18063
Sample Location (be specific): Well #22 Sequoia Dr. Unit #21
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resampl
( )Special
Sampler Name, Title Phone: Randy Conrad Oper. 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

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

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	18063		52.4	EPA215.1	0.1	10/22/91
1017	Chloride	18063	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18063		140.2	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18063		0.0	SM406C	0.1	10/22/91
1022	Copper	18063	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18063		139.0	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18063		1.2	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18063			EPA376.1	0.5	
1028	Iron	18063	0.3		EPA236.1	0.01	
1031	Magnesium	18063		12.5	EPA242.1	0.01	10/22/91
1032	Manganese	18063	0.05		EPA243.1	0.005	
1055	Sulfate	18063	250		EPA300.0	0.200	
1095	Zinc	18063	5		EPA289.1	0.001	
1901	Carbon Dioxide	18063		3.2	SM406C	0.1	10/22/91
1905	Color (color units)	18063	15		EPA110.1	5	
1915	Total Hardness	18063		182.0	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18063		41.8	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18063	3		EPA140.1	1	
1924	Field pH (units)	18063	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18063	6.5-8.5	7.95	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18063			-	0.1	
1927	Total Alkalinity	18063		140	EPA310.1	0.1	10/31/91
1930	TDS	18063	500	380	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18063			EPA310.1	0.1	
1996	Field Temp. (C)	18063		25	-	1	10/22/91
1997	Langelier Index pHs	18063		7.50	SM203	0.01	10/22/91
1998	Saturation Index	18063	-0.2:+0	0.45	SM203	0.01	10/22/91
1999	Stability Index	18063		7.05	SM203	0.01	10/22/91
2909	Foaming Agents	18063	0.5		EPA425.1	0.1	
9996	Field DO	18063			-	0.1	
9997	Field Chlorine	18063			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 23
Date Received: Oct17 1991 Lab Number : 18064

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18064
Calcium	mg/L	0.1	100	.534	42.1
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		112.6
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			111.8
Bicarbonate HCO3	mg/L	0.1			0.8
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	2.3
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 methodolegy.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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BUS (407) 339-5184

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 23
Date Received: Oct17 1991 Lab Number : 18064

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18064
Carbon_Dioxide	mg/L	0.1			3
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			114.5
NCH_as_CaCO3	mg/L	0.1			1.8
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.87
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	113
TDS	mg/L	2.5	100	1.98	150
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.62

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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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FAX (407) 260-6110

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 23
Date Received: Oct17 1991 Lab Number : 18064

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18064
Saturation Index	LX	0.01			0.25
Stability_Index	pH	0.01			7.36
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.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L. Reeves, Ph.D.
Jefferson S. Reeves, Ph.D.
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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: 3640297
Public Water System Name Eufaula Utilities
Public Water System Type (check one):
(X) 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_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): 10-17-91
Laboratory Sample Number 18054-11
Sample Location (be specific): Well 23 Beaver Dr. Unit #53
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Randy Cornett Supv 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () Satisfactory () Unsatisfactory

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	18064		42.1	EPA215.1	0.1	10/22/91
1017	Chloride	18064	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18064		112.6	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18064		0.0	SM406C	0.1	10/22/91
1022	Copper	18064	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18064		111.8	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18064		0.8	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18064			EPA376.1	0.5	
1028	Iron	18064	0.3		EPA236.1	0.01	
1031	Magnesium	18064		2.30	EPA242.1	0.01	10/22/91
1032	Manganese	18064	0.05		EPA243.1	0.005	
1055	Sulfate	18064	250		EPA300.0	0.200	
1095	Zinc	18064	5		EPA289.1	0.001	
1901	Carbon Dioxide	18064		3.0	SM406C	0.1	10/22/91
1905	Color (color units)	18064	15		EPA110.1	5	
1915	Total Hardness	18064		114.5	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18064		1.8	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18064	3		EPA140.1	1	
1924	Field pH (units)	18064	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18064	6.5-8.5	7.87	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18064			-	0.1	
1927	Total Alkalinity	18064		113	EPA310.1	0.1	10/31/91
1930	TDS	18064	500	150	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18064			EPA310.1	0.1	
1996	Field Temp. (C)	18064		25	-		1 10/22/91
1997	Langelier Index pHs	18064		7.62	SM203	0.01	10/22/91
1998	Saturation Index	18064	-0.2:+0	0.25	SM203	0.01	10/22/91
1999	Stability Index	18064		7.36	SM203	0.01	10/22/91
2909	Foaming Agents	18064	0.5		EPA425.1	0.1	
9996	Field DO	18064			-	0.1	
9997	Field Chlorine	18064			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 24
Date Received: Oct17 1991 Lab Number : 18065

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18065
Calcium	mg/L	0.1	100	.534	71.8
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		209.3
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			219.5
Bicarbonate HCO3	mg/L	0.1			1.5
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	7.3
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 24
Date Received: Oct17 1991 Lab Number : 18065

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18065
Carbon_Dioxide	mg/L	0.1			6.01
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			209.3
NCH_as_CaCO3	mg/L	0.1			<0.1
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.86
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	221
TDS	mg/L	2.5	100	1.98	247
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.13

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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 24
Date Received: Oct17 1991 Lab Number : 18065

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18065
Saturation Index	LX	0.01			0.73
Stability_Index	pH	0.01			6.4
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.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
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FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3690467
Public Water System Name: DELTONA UTILITIES
Public Water System Type (check one):
(X)Com nun ( )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_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): 10-17-91
Laboratory Sample Number 18065
Sample Location (be specific): Refill #24 Central Blvd. Unit #34
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: Randy Caswell OPER 574-2131

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 11/1/91

Mail Results to the
Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

RWSA.01
Effective 06/01/8

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

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	18065		71.8	EPA215.1	0.1	10/22/91
1017	Chloride	18065	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18065		209.3	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18065		0.0	SM406C	0.1	10/22/91
1022	Copper	18065	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18065		219.5	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18065		1.5	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18065			EPA376.1	0.5	
1028	Iron	18065	0.3		EPA236.1	0.01	
1031	Magnesium	18065		7.30	EPA242.1	0.01	10/22/91
1032	Manganese	18065	0.05		EPA243.1	0.005	
1055	Sulfate	18065	250		EPA300.0	0.200	
1095	Zinc	18065	5		EPA289.1	0.001	
1901	Carbon Dioxide	18065		6.1	SM406C	0.1	10/22/91
1905	Color (color units)	18065	15		EPA110.1	5	
1915	Total Hardness	18065		209.3	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18065		<0.1	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18065	3		EPA140.1	1	
1924	Field pH (units)	18065	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18065	6.5-8.5	7.86	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18065			-	0.1	
1927	Total Alkalinity	18065		221	EPA310.1	0.1	10/31/91
1930	TDS	18065	500	247	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18065			EPA310.1	0.1	
1996	Field Temp. (C)	18065		25	-	1	10/22/91
1997	Langelier Index pHs	18065		7.13	SM203	0.01	10/22/91
1998	Saturation Index	18065	-0.2:+0	0.73	SM203	0.01	10/22/91
1999	Stability Index	18065		6.40	SM203	0.01	10/22/91
2909	Foaming Agents	18065	0.5		EPA425.1	0.1	
9996	Field DO	18065			-	0.1	
9997	Field Chlorine	18065			-	0.1	

Comments:

FLOWERS
CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 25
Date Received: Oct17 1991 Lab Number : 18066

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18066
Saturation Index	LX	0.01			0.37
Stability_Index	pH	0.01			6.92
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.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 25
Date Received: Oct17 1991 Lab Number : 18066

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18066
Carbon_Dioxide	mg/L	0.1			7.8
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			164
NCH_as_CaCO3	mg/L	0.1			<0.1
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.66
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	177
TDS	mg/L	2.5	100	1.98	217
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.29

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

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FLOWERS

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Received From:
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PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 25
Date Received: Oct17 1991 Lab Number : 18066

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18066
Calcium	mg/L	0.1	100	.534	60.3
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		164
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			176.6
Bicarbonate HCO3	mg/L	0.1			0.8
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	3.3
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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Jefferson L. Flowers, Ph.D.
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ALTAMONTE SPRINGS
FLORIDA 32715-0557
305 407 339 5984

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name Delrona Rights
Public Water System Type (check one):
(X)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_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): 10-17-91
Laboratory Sample Number 18066
Sample Location (be specific): Well 55 Diamond St. Unit #6
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Rocky Carroll Sptr 574-2181

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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

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	18066		60.3	EPA215.1	0.1	10/22/91
1017	Chloride	18066	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18066		164.0	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18066		0.0	SM406C	0.1	10/22/91
1022	Copper	18066	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18066		176.6	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18066		0.8	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18066			EPA376.1	0.5	
1028	Iron	18066	0.3		EPA236.1	0.01	
1031	Magnesium	18066		3.30	EPA242.1	0.01	10/22/91
1032	Manganese	18066	0.05		EPA243.1	0.005	
1055	Sulfate	18066	250		EPA300.0	0.200	
1095	Zinc	18066	5		EPA289.1	0.001	
1901	Carbon Dioxide	18066		7.8	SM406C	0.1	10/22/91
1905	Color (color units)	18066	15		EPA110.1	5	
1915	Total Hardness	18066		164.0	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18066		<0.1	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18066	3		EPA140.1	1	
1924	Field pH (units)	18066	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18066	6.5-8.5	7.66	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18066			-	0.1	
1927	Total Alkalinity	18066		177	EPA310.1	0.1	10/31/91
1930	TDS	18066	500	217	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18066			EPA310.1	0.1	
1996	Field Temp. (C)	18066		25	-		1 10/22/91
1997	Langelier Index pHs	18066		7.29	SM203	0.01	10/22/91
1998	Saturation Index	18066	-0.2:+0	0.37	SM203	0.01	10/22/91
1999	Stability Index	18066		6.92	SM203	0.01	10/22/91
2909	Foaming Agents	18066	0.5		EPA425.1	0.1	
9996	Field DO	18066			-	0.1	
9997	Field Chlorine	18066			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 27
Date Received: Oct17 1991 Lab Number : 18067

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18067
Calcium	mg/L	0.1	100	.534	48.9
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		133.5
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			132.7
Bicarbonate HCO3	mg/L	0.1			0.7
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	9.55
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-577
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FLORIDA 32715-0577
305 407 339-5984
[illegible]

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 27
Date Received: Oct17 1991 Lab Number : 18067

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18067
Carbon_Dioxide	mg/L	0.1			4.6
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			161.4
NCH_as_CaCO3	mg/L	0.1			28
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.76
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	133
TDS	mg/L	2.5	100	1.98	340
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.54

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

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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 27
Date Received: Oct17 1991 Lab Number : 18067

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18067
Saturation Index	LX	0.01			0.22
Stability_Index	pH	0.01			7.32
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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Jefferson S. Flowers, Ph.D.
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FAX (407) 260-6110

—UBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3610287
Public Water System Name Dixon Utilities
Public Water System Type (check one):
(X)Com mun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzr Turbidity___;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): 10-17-91
Laboratory Sample Number 19057
Sample Location (be specific): Well #7 Compound Unit # 30
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special ___
Sampler Name, Title Phone: Randy Cornell - Oper. 574-2181

ANALYSIS INFORMATION
Extraction Date ___/___/____
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTEL 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 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:
___
___
___
___

DER /ACPHU Reviewing Offical:

___

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

Secondary Chemical Analysis
17-550.320
(PWS031)

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L	Analytical Method	DetLimit Used	Analysis Date
1016	Calcium	18067		48.9	EPA215.1	0.1	10/22/91
1017	Chloride	18067	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18067		133.5	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18067		0.0	SM406C	0.1	10/22/91
1022	Copper	18067	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18067		132.7	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18067		0.7	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18067			EPA376.1	0.5	
1028	Iron	18067	0.3		EPA236.1	0.01	
1031	Magnesium	18067		9.55	EPA242.1	0.01	10/22/91
1032	Manganese	18067	0.05		EPA243.1	0.005	
1055	Sulfate	18067	250		EPA300.0	0.200	
1095	Zinc	18067	5		EPA289.1	0.001	
1901	Carbon Dioxide	18067		4.6	SM406C	0.1	10/22/91
1905	Color (color units)	18067	15		EPA110.1	5	
1915	Total Hardness	18067		161.4	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18067		28.0	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18067	3		EPA140.1	1	
1924	Field pH (units)	18067	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18067	6.5-8.5	7.76	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18067			-	0.1	
1927	Total Alkalinity	18067		133	EPA310.1	0.1	10/31/91
1930	TDS	18067	500	340	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18067			EPA310.1	0.1	
1996	Field Temp. (C)	18067		25	-	1	10/22/91
1997	Langelier Index pHs	18067		7.54	SM203	0.01	10/22/91
1998	Saturation Index	18067	-0.2:+0	0.22	SM203	0.01	10/22/91
1999	Stability Index	18067		7.32	SM203	0.01	10/22/91
2909	Foaming Agents	18067	0.5		EPA425.1	0.1	
9996	Field DO	18067			-	0.1	
9997	Field Chlorine	18067			-	0.1	

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 28
Date Received: Oct17 1991 Lab Number : 18068

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18068
Calcium	mg/L	0.1	100	.534	30.2
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		79.9
Hydroxide CaCO3	mg/L	0.1			0.1
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			85.01
Bicarbonate HCO3	mg/L	0.1			0.8
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	1.1
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 28
Date Received: Oct17 1991 Lab Number : 18068

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18068
Carbon_Dioxide	mg/L	0.1			1.7
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			79.9
NCH_as_CaCO3	mg/L	0.1			<0.1
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	8.001
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	86
TDS	mg/L	2.5	100	1.98	110
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.86

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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 28
Date Received: Oct17 1991 Lab Number : 18068

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18068
Saturation Index	LX	0.01			0.15
Stability_Index	pH	0.01			7.71
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.

Jefferson S. Flowers, Ph.D.
Technical Director

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FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name: DELTONA Utilities
Public Water System Type (check one):
(X)Com mun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyz: Turbidity___;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): 10-17-91
Laboratory Sample Number 18066
Sample Location (be specific): Well #28 Omaha Dr. Unit #33
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resampl
( )Special ___
Sampler Name, Title Phone: Randy Chandler OPER 574-2121

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 11/1/91

Mail Results to the Appropriate OER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () Satisfactory () Unsatisfactory

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	18068		30.2	EPA215.1	0.1	10/22/91
1017	Chloride	18068	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18068		79.9	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18068		0.1	SM406C	0.1	10/22/91
1022	Copper	18068	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18068		85.1	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18068		0.8	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18068			EPA376.1	0.5	
1028	Iron	18068	0.3		EPA236.1	0.01	
1031	Magnesium	18068		1.10	EPA242.1	0.01	10/22/91
1032	Manganese	18068	0.05		EPA243.1	0.005	
1055	Sulfate	18068	250		EPA300.0	0.200	
1095	Zinc	18068	5		EPA289.1	0.001	
1901	Carbon Dioxide	18068		1.7	SM406C	0.1	10/22/91
1905	Color (color units)	18068	15		EPA110.1	5	
1915	Total Hardness	18068		79.9	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18068		<0.1	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18068	3		EPA140.1	1	
1924	Field pH (units)	18068	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18068	6.5-8.5	8.01	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18068			-	0.1	
1927	Total Alkalinity	18068		86.0	EPA310.1	0.1	10/31/91
1930	TDS	18068	500	110	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18068			EPA310.1	0.1	
1996	Field Temp. (C)	18068		25	-		1 10/22/91
1997	Langelier Index pHs	18068		7.86	SM203	0.01	10/22/91
1998	Saturation Index	18068	-0.2:+0	0.15	SM203	0.01	10/22/91
1999	Stability Index	18068		7.71	SM203	0.01	10/22/91
2909	Foaming Agents	18068	0.5		EPA425.1	0.1	
9996	Field DO	18068			-	0.1	
9997	Field Chlorine	18068			-	0.1	

Comments:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 32
Date Received: Oct17 1991 Lab Number : 18069

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18069
Calcium	mg/L	0.1	100	.534	46.2
Chloride	mg/L	0.015			-
Carbonate CaCO3	mg/L	0.1	100		141.3
Hydroxide CaCO3	mg/L	0.1			-
Copper	mg/L	0.005			-
Bicarbonate CaCO3	mg/L	0.1			140.3
Bicarbonate HCO3	mg/L	0.1			0.9
Hydrogen Sulfide	mg/L	0.5			-
Iron	mg/L	0.01			-
Magnesium	mg/L	0.01	98.0	2.21	11.4
Manganese	mg/L	0.005			-
Sulfate	mg/L	0.2			-
Zinc	mg/L	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

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Jefferson S. Flowers, Ph.D.
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305 407 332 5284

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 32
Date Received: Oct17 1991 Lab Number : 18069

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18069
Carbon_Dioxide	mg/L	0.1			4.01
Color (color units)	mg/L	5			-
Total_Hardness	mg/L	0.1			162
NCH_as_CaCO3	mg/L	0.1			20.7
Odor (total odor num	TON	1			-
Field pH (units)	pH	0.01			-
Lab pH (units)	pH	0.01	99.8	.496	7.84
Field Conductivity	umhos/c	0.1			-
Total Alkalinity	mg/L	0.1	103	.752	141
TDS	mg/L	2.5	100	1.98	373
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			25
Langelier Index pHs	pHs	0.01			7.55

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

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FAX (407) 260-6110

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 1 1991
PO Number: 24388
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 32
Date Received: Oct17 1991 Lab Number : 18069

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18069
Saturation Index	LX	0.01			0.29
Stability_Index	pH	0.01			7.25
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.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson S. Flowers, Ph.D.
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FLORIDA 32715-0597
305 407 339-5784
FAX 407 260-4110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name: DELTONA Utilities
Public Water System Type (check one):
(X)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_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): 10-17-91
Laboratory Sample Number: 18069
Sample Location (be specific): W#11732 Sangamar Dr. Unit #21
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: Randy Connell-User- 574-2181

ANALYSIS INFORMATION
Extraction ___/___/____
Laboratory 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 Jeffersen S Flowers

Title Technical Director

Laboratory Flowers Chemical Laboratories,Inc.

Date 11/1/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 0 () Satisfactory () Unsatisfactory

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	18069		46.2	EPA215.1	0.1	10/22/91
1017	Chloride	18069	250		EPA300.0	0.015	
1019	Carbonate CaCO3	18069		141.3	SM314A	0.1	10/22/91
1021	Hydroxide CaCO3	18069		0.0	SM406C	0.1	10/22/91
1022	Copper	18069	1		EPA220.1	0.005	
1023	Bicarbonate CaCO3	18069		140.3	SM406C	0.1	10/22/91
1026	Bicarbonate HCO3	18069		0.9	SM406C	0.1	10/22/91
1027	Hydrogen Sulfide	18069			EPA376.1	0.5	
1028	Iron	18069	0.3		EPA236.1	0.01	
1031	Magnesium	18069		11.4	EPA242.1	0.01	10/22/91
1032	Manganese	18069	0.05		EPA243.1	0.005	
1055	Sulfate	18069	250		EPA300.0	0.200	
1095	Zinc	18069	5		EPA289.1	0.001	
1901	Carbon Dioxide	18069		4.1	SM406C	0.1	10/22/91
1905	Color (color units)	18069	15		EPA110.1	5	
1915	Total Hardness	18069		162.0	SM314A	0.1	10/22/91
1917	NCH as CaCO3	18069		20.7	SM314A	0.1	10/22/91
1920	Odor (total odor number)	18069	3		EPA140.1	1	
1924	Field pH (units)	18069	6.5-8.5		EPA150.1	0.01	
1925	Lab pH (units)	18069	6.5-8.5	7.84	EPA150.1	0.01	10/31/91
1926	Field Conductivity	18069			-	0.1	
1927	Total Alkalinity	18069		141	EPA310.1	0.1	10/31/91
1930	TDS	18069	500	373	EPA160.1	2.5	10/28/91
1931	Phenolphthalein Alk.	18069			EPA310.1	0.1	
1996	Field Temp. (C)	18069		25 -			1 10/22/91
1997	Langelier Index pHs	18069		7.55	SM203	0.01	10/22/91
1998	Saturation Index	18069	-0.2:+0	0.29	SM203	0.01	10/22/91
1999	Stability Index	18069		7.25	SM203	0.01	10/22/91
2909	Foaming Agents	18069	0.5		EPA425.1	0.1	
9996	Field DO	18069			-	0.1	
9997	Field Chlorine	18069			-	0.1	

Comments:

SSU. WILL CALL WITH P.O.#

[redacted] FLOWERS

ANALYTICAL & CONSULTING CHEMISTS
CHEMICAL LABORATORIES INCORPORATED

CHAIN OF CUSTODY RECORD

CLIENT	ADDRESS	PHONE
Deltona Util.	329 Fisher Dr. Deltona, 32725	[redacted]-574-2181
PROJECT NAME: Deltona	REQUIRED: ☐ Urgent ☒ Routine	DATE 10-17-91

Sample Containers	Preservative							Plastic Containers							Glass Containers							
QTY	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	
2	X								X													
2										X	X											

NOTES:

Kit Relinquished:	Date: 10-19-91 Time:	Kit Received:	Date: Time:
[signature]			

Parameters: 1X Series

Laboratory Number	Client Identification/Description
18049-69	on attached Sheet

#55 3/4"

		Date	Time
Sample Collection:	S. Fiazza — R. Connell	10-17-91	7:30 am to 11:30 am
Transportation:	[signature]	10-17-91	4:05 pm
Lab Acceptance		10/17/91	4:05

Page _____ of _____.

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

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DAILY BUSINESS FORMS - (407) 677-1288 ACTS 5:36

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: I (Wells 20,21,32,22,19)
Date Received: Mar 1 1991 Lab Number : 16389

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16389
Ethylene dibromide	mg/L	0.000005	97.3	2.66	<0.000005
Para-dichlorobenzene	mg/L	0.001	96.3	.459	<0.001
Vinyl chloride	mg/L	0.001	94.3	6.62	<0.001
1,1-dichloroethene	mg/L	0.001	94.3	6.62	<0.001
1,2-dichloroethane	mg/L	0.001	99.2	1.04	<0.001
1,1,1-trichloroethan	mg/L	0.001	105	1.86	<0.001
Carbon tetrachloride	mg/L	0.001	109	1.79	<0.001
Trichloroethene	mg/L	0.001	103	1.86	<0.001
Tetrachloroethene	mg/L	0.001	99.5	.278	<0.001
Benzene	mg/L	0.001	99.3	.162	<0.001
Chloromethane	mg/L	0.001	94.4	1.43	<0.001
Dichlorodifluorometh	mg/L	0.001	109	1.79	<0.001
Bromomethane	mg/L	0.001	94.4	1.43	<0.001
Chloroethane	mg/L	0.001	94.3	6.62	<0.001
Trichlorofluorometha	mg/L	0.001	109	1.79	<0.001
trans-1,3,-dichlorop	mg/L	0.001	95.0	.271	<0.001
cis-1,3-dichloroprop	mg/L	0.001	95.1	.205	<0.001
Methyl-tert-butyleth	mg/L	0.001	85.0	.553	<0.001
cis-1,2-dichloroethe	mg/L	0.001	95.1	.205	<0.001
Dibromomethane	mg/L	0.001	94.4	1.43	<0.001
1,1 dichloropropene	mg/L	0.001	94.4	1.43	<0.001
1,3-dichloropropane	mg/L	0.001	95.0	.271	<0.001
1,2,3-trichloropropa	mg/L	0.001	105	2.50	<0.001
2,2-dichloropropane	mg/L	0.001	94.3	6.62	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	105	2.50	<0.001
Chloroform	mg/L	0.001	97.9	4.98	<0.001

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 methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

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Jefferson S Flowers PhD
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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDEK Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 1 (Wells 20,21,32,22,19)
Date Received: Mar 1 1991 Lab Number : 16389

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%REC	%PRC	16389
Bromoform	mg/L	0.001	96.3	.470	<0.001
Bromodichloromethane	mg/L	0.001	96.9	.984	<0.001
Dibromochloromethane	mg/L	0.001	95.1	.345	0.00122
p-xylene	mg/L	0.001	94.0	.540	<0.001
Methylene chloride	mg/L	0.001	94.4	1.43	<0.001
o-chlorotoluene	mg/L	0.001	94.4	1.43	<0.001
p-chlorotoluene	mg/L	0.001	98.6	.142	<0.001
m-dichlorobenzene	mg/L	0.001	95.7	.949	<0.001
o-dichlorobenzene	mg/L	0.001	97.2	.174	<0.001
1,1-dichloroethane	mg/L	0.001	97.3	8.57	<0.001
trans-1,2-dichloroet	mg/L	0.001	97.3	8.57	<0.001
1,2-dichloropropane	mg/L	0.001	98.2	1.27	<0.001
1,1,2-trichloroethan	mg/L	0.001	95.6	.802	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	95.6	.802	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	97.5	2.06	<0.001
Chlorobenzene	mg/L	0.001	94.8	.388	<0.001
Toluene	mg/L	0.001	98.6	.142	<0.001
Ethylbenzene	mg/L	0.001	96.8	.178	<0.001
Bromobenzene	mg/L	0.001	94.8	.388	<0.001
m-xylene	mg/L	0.001	94.0	.540	<0.001
Styrene	mg/L	0.001	98.6	.142	<0.001
o-xylene	mg/L	0.001	94.0	.540	<0.001
Dalapon	mg/L	0.000001	104	2.20	<0.000001
Oxamyl (Vydate)	mg/L	0.002	118	8.60	<0.002
Simazine	mg/L	0.007	107	3.83	<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

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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NEDEINR Lab# : 296
SCDHEC Lab# : 96019

For: 1 (Wells 20,21,32,22,19)
Date Received: Mar 1 1991 Lab Number : 16389

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16389
Dinoseb	mg/L	0.00001	94.9	3.08	<0.00001
Aldicarb sulfoxide	mg/L	0.002	104	12.8	<0.002
Aldicarb sulfone	mg/L	0.002	96.0	13.0	<0.002
Metolachlor	mg/L	0.0005	98.4	2.15	<0.0005
Carbofuran	mg/L	0.001	98.6	6.02	<0.001
Aldicarb	mg/L	0.002	101	5.85	<0.002
Atrazine	mg/L	0.002	103	1.90	<0.002
Alachlor (Lasso)	mg/L	0.0002	98.3	1.01	<0.0002
Heptachlor	mg/L	0.000005	109	4.98	<0.000005
Aldrin	mg/L	0.00007	107	4.17	<0.00007
Dieldrin	mg/L	0.00001	108	4.56	<0.00001
Dicamba	mg/L	0.00001	108	4.64	<0.00001
Chlordane	mg/L	0.00001	97.5	1.48	<0.00001
Pentachlorophenol	mg/L	0.005	91.3	5.29	<0.005
Hexachlorocyclopenta	mg/L	0.001	99.6	0.23	<0.001
Dioxin	mg/L	0.00001	100	3.52	<0.00001
Isophorone	mg/L	0.001	101	6.07	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.0	1.09	<0.001
Dimethylphthalate	mg/L	0.001	97.8	4.17	<0.001
Diethylphthalate	mg/L	0.001	102	7.82	<0.001
Di-n-butylphthalate	mg/L	0.001	105	3.65	<0.001
Butyl benzyl phthala	mg/L	0.001	107	5.90	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	104	1.96	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.5	1.40	<0.001
PCB_1016	mg/L	0.0001	96.4	2.17	<0.0001
PCB_1221	mg/L	0.0001	96.0	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.
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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

or: 1 (Wells 20,21,32,22,19)
ate Received: Mar 1 1991 Lab Number : 16389

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16389
PCB_1232	mg/L	0.0001	96.0	2.30	<0.0001
PCB_1242	mg/L	0.0001	94.6	3.27	<0.0001
PCB_1248	mg/L	0.0001	97.8	1.70	<0.0001
PCB_1254	mg/L	0.0001	98.3	1.07	<0.0001
PCB_1260	mg/L	0.0001	97.4	2.32	<0.0001
Dioctylphthalate	mg/L	0.001	105	1.13	<0.001
2-chlorophenol	mg/L	0.001	95.4	8.00	<0.001
4-methyl-4,6-dinitrop	mg/L	0.001	100	0.57	<0.001
Phenol	mg/L	0.001	105	4.56	<0.001
2,4,6-trichloropheno	mg/L	0.001	92.0	7.90	<0.001

Data Release Authorization :
ample integrity and reliability certified by Lab personnel prior to analysis.
ethods of analysis in accordance with FCL QA and EPA approved methodology.

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3611207
Public Water System Name: Victoria Lakes
Public Water System Type (check one):
(X)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_X_;
Unregulated Base Neutral Extractable_X_;Unregulated Acid Extractable__X_;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 16389
Sample Location (be specific): Wells 20,21,32,22,19
Sample Type (check all applicable):
( )Check / ,Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw ( )Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Steve Piazza, Water Operator
(407) 574-2111

ANALYSIS INFORMATION
Extraction Date 3/4/91
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 3/7/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	16389	.00002	<0.000005	EPA504.1	.000005	3/4/91
2969	Para-dichlorobenzene	16389	.075	<0.001	EPA502.2	0.001	3/4/91
2976	Vinyl chloride	16389	0.001	<0.001	EPA502.2	0.001	3/4/91
2977	1,1-dichloroethene	16389	0.007	<0.001	EPA502.2	0.001	3/4/91
2980	1,2-dichloroethane	16389	0.003	<0.001	EPA502.2	0.001	3/4/91
2981	1,1,1-trichloroethane	16389	0.2	<0.001	EPA502.2	0.001	3/4/91
2982	Carbon tetrachloride	16389	0.003	<0.001	EPA502.2	0.001	3/4/91
2984	Trichloroethene	16389	0.003	<0.001	EPA502.2	0.001	3/4/91
2987	Tetrachloroethene	16389	0.003	<0.001	EPA502.2	0.001	3/4/91
2990	Benzene	16389	0.001	<0.001	EPA502.2	0.001	3/4/91

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	16389		<0.001	EPA502.2	0.001	3/4/91
2212	Dichlorodifluoromethan	16389		<0.001	EPA502.2	0.001	3/4/91
2214	Bromomethane	16389		<0.001	EPA502.2	0.001	3/4/91
2216	Chloroethane	16389		<0.001	EPA502.2	0.001	3/4/91
2218	Trichlorofluoromethane	16389		<0.001	EPA502.2	0.001	3/4/91
2224	trans-1,3,-dichloroprop	16389		<0.001	EPA502.2	0.001	3/4/91
2228	cis-1,3-dichloropropene	16389		<0.001	EPA502.2	0.001	3/4/91
2251	Methyl-tert-butylether	16389		<0.001	EPA502.2	0.001	3/4/91
2380	cis-1,2-dichloroethene	16389		<0.001	EPA502.2	0.001	3/4/91
2408	Dibromomethane	16389		<0.001	EPA502.2	0.001	3/4/91
2410	1,1-dichloropropene	16389		<0.001	EPA502.2	0.001	3/4/91
2412	1,3-dichloropropane	16389		<0.001	EPA502.2	0.001	3/4/91
2414	1,2,3-trichloropropane	16389		<0.001	EPA502.2	0.001	3/4/91
2416	2,2-dichloropropane	16389		<0.001	EPA502.2	0.001	3/4/91
2931	1,2-dibromo-3-chloropr	16389		<0.001	EPA502.2	0.001	3/4/91
2941	Chloroform	16389		<0.001	EPA502.2	0.001	3/4/91
2942	Bromoform	16389		<0.001	EPA502.2	0.001	3/4/91
2943	Bromodichloromethane	16389		<0.001	EPA502.2	0.001	3/4/91
2944	Dibromochloromethane	16389		0.00122	EPA502.2	0.001	3/4/91
2962	p-xylene	16389		<0.001	EPA502.2	0.001	3/4/91
2964	Methylene chloride	16389		<0.001	EPA502.2	0.001	3/4/91
2965	o-chlorotoluene	16389		<0.001	EPA502.2	0.001	3/4/91
2966	p-chlorotoluene	16389		<0.001	EPA502.2	0.001	3/4/91
2967	m-dichlorobenzene	16389		<0.001	EPA502.2	0.001	3/4/91
2968	o-dichlorobenzene	16389		<0.001	EPA502.2	0.001	3/4/91
2978	1,1-dichloroethane	16389		<0.001	EPA502.2	0.001	3/4/91
2979	trans-1,2-dichloroethyl	16389		<0.001	EPA502.2	0.001	3/4/91
2983	1,2-dichloropropane	16389		<0.001	EPA502.2	0.001	3/4/91

2985	1,1,2-trichloroethane	16389	<0.001	EPA502.2	0.001	3/4/91
2986	1,1,1,2-tetrachloroethar	16389	<0.001	EPA502.2	0.001	3/4/91
2988	1,1,2,2-tetrachloroethar	16389	<0.001	EPA502.2	0.001	3/4/91
2989	Chlorobenzene	16389	<0.001	EPA502.2	0.001	3/4/91
2991	Toluene	16389	<0.001	EPA502.2	0.001	3/4/91
2992	Ethylbenzene	16389	<0.001	EPA502.2	0.001	3/4/91
2993	Bromobenzene	16389	<0.001	EPA502.2	0.001	3/4/91
2995	m-xylene	16389	<0.001	EPA502.2	0.001	3/4/91
2996	Styrene	16389	<0.001	EPA502.2	0.001	3/4/91
2997	o-xylene	16389	<0.001	EPA502.2	0.001	3/4/91

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	16389		<.000001	EPA515	.000001	3/4/91
2036	Oxamyl (Vydate)	16389		<0.002	EPA531	0.002	2/20/91
2037	Simazine	16389		<0.007	EPA505	0.007	3/4/91
2040	Picloram	16389		<0.00007	EPA515	0.00007	3/4/91
2041	Dinoseb	16389		<0.00001	EPA515	0.00001	3/4/91
2043	Aldicarb sulfoxide	16389		<0.002	EPA531	0.002	2/20/91
2044	Aldicarb sulfone	16389		<0.002	EPA531	0.002	2/20/91
2045	Metolachlor	16389		<0.0005	EPA505	0.0005	3/4/91
2046	Carbofuran	16389		<0.001	EPA531	0.001	2/20/91
2047	Aldicarb	16389		<0.002	EPA531	0.002	2/20/91
2050	Atrazine	16389		<0.002	EPA505	0.002	3/4/91
2051	Alachlor (Lasso)	16389		<0.0002	EPA505	0.0002	3/4/91
2065	Heptachlor	16389		<.000005	EPA508	.000005	3/4/91
2356	Aldrin	16389		<0.00007	EPA508	0.00007	3/4/91
2364	Dieldrin	16389		<0.00001	EPA508	0.00001	3/4/91
2440	Dicamba	16389		<0.00001	EPA515	0.00001	3/4/91
2959	Chlordane	16389		<0.00001	EPA508	0.00001	3/4/91

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDURS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 2 (Wells 14,16,9,12,2(,11)) NOTE
Date Received: Mar 1 1991
Lab Number : 16390

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16390
Ethylene dibromide	mg/L	0.000005	97.3	2.66	<0.000005
Para-dichlorobenzene	mg/L	0.001	96.3	.459	<0.001
Vinyl chloride	mg/L	0.001	94.4	6.62	<0.001
1,1-dichloroethene	mg/L	0.001	94.3	6.62	<0.001
1,2-dichloroethane	mg/L	0.001	99.2	1.04	<0.001
1,1,1-trichloroethan	mg/L	0.001	105	1.66	<0.001
Carbon tetrachloride	mg/L	0.001	109	1.79	<0.001
Trichloroethene	mg/L	0.001	103	1.86	<0.001
Tetrachloroethene	mg/L	0.001	99.5	.778	<0.001
Benzene	mg/L	0.001	99.3	.162	<0.001
Chloromethane	mg/L	0.001	94.4	1.43	<0.001
Dichlorodifluorometh	mg/L	0.001	109	1.79	<0.001
Bromomethane	mg/L	0.001	94.4	1.43	<0.001
Chloroethane	mg/L	0.001	94.3	6.62	<0.001
Trichlorofluorometha	mg/L	0.001	109	1.79	<0.001
trans-1,3,-dichlorop	mg/L	0.001	95.0	.271	<0.001
cis-1,3-dichloroprop	mg/L	0.001	95.1	.205	<0.001
Methyl-tert-butyleth	mg/L	0.001	85.0	.553	<0.001
cis-1,2-dichloroethe	mg/L	0.001	95.1	.205	<0.001
Dibromomethane	mg/L	0.001	94.4	1.43	<0.001
1,1-dichloropropene	mg/L	0.001	94.4	1.43	<0.001
1,3-dichloropropane	mg/L	0.001	95.0	.271	<0.001
1,2,3-trichloropropa	mg/L	0.001	105	2.50	<0.001
2,2-dichloropropane	mg/L	0.001	94.3	6.62	<0.001
1,2-dibromo-3-chloro	mg/L	0.001	105	2.50	<0.001
Chloroform	mg/L	0.001	97.9	4.98	<0.001

NOTE. only 5 WELLS WERE COMPOSITED. WELL #1 Showing ONLY BUT IT'S IN SERVICE AGAIN, BUT WAS DOWN FOR REPAIR.

Data Release Authorization

Sample integrity and reliability certified by Lab personnel prior to analysis. Methods of analysis in accordance with FDL 01 and EPA approved methodology.

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Technical Director

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FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FOURS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 2 (Wells 14,16,9,12,2(1))
Date Received: Mar 1 1991 Lab Number : 16390

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16390
Bromoform	mg/L	0.001	96.3	.470	0.0618
Bromodichloromethane	mg/L	0.001	96.9	.984	<0.001
Dibromochloromethane	mg/L	0.001	95.1	.345	0.00796
p-xylene	mg/L	0.001	94.0	.540	<0.001
Methylene chloride	mg/L	0.001	94.4	1.43	<0.001
o-chlorotoluene	mg/L	0.001	94.4	1.43	<0.001
p-chlorotoluene	mg/L	0.001	98.6	.142	<0.001
m-dichlorobenzene	mg/L	0.001	95.?	.949	<0.001
o-dichlorobenzene	mg/L	0.001	97.2	.174	<0.001
1,1-dichloroethane	mg/L	0.001	97.3	8.57	<0.001
trans-1,2-dichloroet	mg/L	0.001	97.3	8.57	<0.001
1,2-dichloropropane	mg/L	0.001	98.2	1.27	<0.001
1,1,2-trichloroethan	mg/L	0.001	95.6	.802	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	95.6	.802	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	97.5	2.06	<0.001
Chlorobenzene	mg/L	0.001	94.8	.388	<0.001
Toluene	mg/L	0.001	98.6	.142	<0.001
Ethylbenzene	mg/L	0.001	96.8	.178	<0.001
Bromobenzene	mg/L	0.001	94.8	.388	<0.001
m-xylene	mg/L	0.001	94.0	.540	<0.001
Styrene	mg/L	0.001	98.6	.142	<0.001
o-xylene	mg/L	0.001	94.0	.540	<0.001
Dalapon	mg/L	0.000001	104	2.20	<0.000001
Oxamyl (Vydate)	mg/L	0.002	118	8.60	<0.002
Simazine	mg/L	0.007	107	3.83	<0.007
Picloram	mg/L	0.00007	106	3.61	<0.00007

NOTE: only 5 wells were composited. Well #1 showing only that its in service after but was down for repair

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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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 2 (Wells 14,16,9,12,2,1)
Date Received: Mar 1 1991 Lab Number : 16390

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16390
Dinoseb	mg/L	0.00001	94.9	3.08	<0.00001
Aldicarb sulfoxide	mg/L	0.002	104	12.8	<0.002
Aldicarb sulfone	mg/L	0.002	96.0	13.0	<0.002
Metolachlor	mg/L	0.0005	96.4	2.15	<0.0005
Carbofuran	mg/L	0.001	98.6	6.02	<0.001
Aldicarb	mg/L	0.002	101	5.86	<0.002
Atrazine	mg/L	0.002	103	1.90	<0.002
Alachlor (Lasso)	mg/L	0.0002	98.3	1.01	<0.0002
Heptachlor	mg/L	0.000005	109	4.98	<0.000005
Aldrin	mg/L	0.00007	107	4.17	<0.00007
Dieldrin	mg/L	0.00001	108	4.56	<0.00001
Dicamba	mg/L	0.00001	108	4.64	<0.00001
Chlordane	mg/L	0.00001	97.5	1.48	<0.00001
Pentachlorophenol	mg/L	0.005	91.3	5.29	<0.005
Hexachlorocyclopenta	mg/L	0.001	99.6	0.23	<0.001
Dioxin	mg/L	0.00001	100	3.52	<0.00001
Isophorone	mg/L	0.001	101	6.07	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.0	1.09	<0.001
Dimethylphthalate	mg/L	0.001	97.8	4.17	<0.001
Diethylphthalate	mg/L	0.001	102	7.82	<0.001
Di-n-butylphthalate	mg/L	0.001	105	3.65	<0.001
Butyl benzyl phthala	mg/L	0.001	107	5.98	<0.001
Bis(2-etnylhexyl)pht	mg/L	0.001	104	1.96	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.5	1.48	<0.001
PCB_1016	mg/L	0.0001	96.4	2.17	<0.0001
PCB_1221	mg/L	0.0001	96.0	2.80	<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.

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
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PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 2 (Wells 14,16,9,12,2(1)) NOTE.
Date Received: Mar 1 1991 Lab Number : 16390

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16390
PCB_1232	mg/L	0.0001	96.0	2.38	<0.0001
PCB_1242	mg/L	0.0001	94.6	3.27	<0.0001
PCB_1248	mg/L	0.0001	97.8	1.70	<0.0001
PCB_1254	mg/L	0.0001	98.3	1.07	<0.0001
PCB_1260	mg/L	0.0001	97.4	2.32	<0.0001
Dioctylphthalate	mg/L	0.001	105	1.13	<0.001
2-chlorophenol	mg/L	0.001	95.4	8.00	<0.001
2-methyl-4,6-dinitop	mg/L	0.001	100	0.57	<0.001
Phenol	mg/L	0.001	105	4.56	<0.001
2,4,6-trichloropheno	mg/L	0.001	92.0	7.90	<0.001

NOTE: only 5 wells Composited well #1 showing only that it's in service area, but was down for repair

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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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name Daytona Lakes
Public Water System Type (check one):
(X)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_X_;
Unregulated Base Neutral Extractable_X_;Unregulated Acid Extractable__X_;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 16390
Sample Location (be specific): Wells 14,16,9,12,2,1
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw ( )Well ( )Resample
( )Special ___
Sampler Name, Title Phone: Steve Pizza, Water Operator
(407) 574-2181

ANALYSIS INFORMATION
Extraction Date 3/4/91
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 Jofferson S Flowers

Title Technical Director

Laboratory Flowers Chemical Laboratories,Inc.

Date 3/7/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8(() 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	16390	.00002	<0.000005	EPA504.1	.000005	3/4/91
2969	Para-dichlorobenzene	16390	.075	<0.001	EPA502.2	0.001	3/4/91
2976	Vinyl chloride	16390	0.001	<0.001	EPA502.2	0.001	3/4/91
2977	1,1-dichloroethene	16390	0.007	<0.001	EPA502.2	0.001	3/4/91
2980	1,2-dichloroethane	16390	0.003	<0.001	EPA502.2	0.001	3/4/91
2981	1,1,1-trichloroethane	16390	0.2	<0.001	EPA502.2	0.001	3/4/91
2982	Carbon tetrachloride	16390	0.003	<0.001	EPA502.2	0.001	3/4/91
2984	Trichloroethene	16390	0.003	<0.001	EPA502.2	0.001	3/4/91
2987	Tetrachloroethene	16390	0.003	<0.001	EPA502.2	0.001	3/4/91
2990	Benzene	16390	0.001	<0.001	EPA502.2	0.001	3/4/91

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	16390		<0.001	EPA502.2	0.001	3/4/91
2212	Dichlorodifluoromethane	16390		<0.001	EPA502.2	0.001	3/4/91
2214	Bromomethane	16390		<0.001	EPA502.2	0.001	3/4/91
2216	Chloroethane	16390		<0.001	EPA502.2	0.001	3/4/91
2218	Trichlorofluoromethane	16390		<0.001	EPA502.2	0.001	3/4/91
2224	trans-1,3,-dichloroprop	16390		<0.001	EPA502.2	0.001	3/4/91
2228	cis-1,3-dichloropropene	16390		<0.001	EPA502.2	0.001	3/4/91
2251	Methyl-tert-butylether	16390		<0.001	EPA502.2	0.001	3/4/91
2380	cis-1,2-dichloroethene	16390		<0.001	EPA502.2	0.001	3/4/91
2408	Dibromomethane	16390		<0.001	EPA502.2	0.001	3/4/91
2410	1,1-dichloropropene	16390		<0.001	EPA502.2	0.001	3/4/91
2412	1,3-dichloropropane	16390		<0.001	EPA502.2	0.001	3/4/91
2414	1,2,3-trichloropropane	16390		<0.001	EPA502.2	0.001	3/4/91
2416	2,2-dichloropropane	16390		<0.001	EPA502.2	0.001	3/4/91
2931	1,2-dibromo-3-chloropr	16390		<0.001	EPA502.2	0.001	3/4/91
2941	Chloroform	16390		<0.001	EPA502.2	0.001	3/4/91
2942	Bromoform	16390		0.0618	EPA502.2	0.001	3/4/91
2943	Bromodichloromethane	16390		<0.001	EPA502.2	0.001	3/4/91
2944	Dibromochloromethane	16390		0.00796	EPA502.2	0.001	3/4/91
2962	p-xylene	16390		<0.001	EPA502.2	0.001	3/4/91
2964	Methylene chloride	16390		<0.001	EPA502.2	0.001	3/4/91
2965	o-chlorotoluene	16390		<0.001	EPA502.2	0.001	3/4/91
2966	p-chlorotoluene	16390		<0.001	EPA502.2	0.001	3/4/91
2967	m-dichlorobenzene	16390		<0.001	EPA502.2	0.001	3/4/91
2968	o-dichlorobenzene	16390		<0.001	EPA502.2	0.001	3/4/91
2978	1,1-dichloroethane	16390		<0.001	EPA502.2	0.001	3/4/91
2979	trans-1,2-dichloroethyl	16390		<0.001	EPA502.2	0.001	3/4/91
2983	1,2-dichloropropane	16390		<0.001	EPA502.2	0.001	3/4/91

2985	1,1,2-trichloroethane	16390	<0.001	EPA502.2	0.001	3/4/91
2986	1,1,1,2-tetrachloroetha	16390	<0.001	EPA502.2	0.001	3/4/91
2988	1,1,2,2-tetrachloroetha	16390	<0.001	EPA502.2	0.001	3/4/91
2989	Chlorobenzene	16390	<0.001	EPA502.2	0.001	3/4/91
2991	Toluene	16390	<0.001	EPA502.2	0.001	3/4/91
2992	Ethylbenzene	16390	<0.001	EPA502.2	0.001	3/4/91
2993	Bromobenzene	16390	<0.001	EPA502.2	0.001	3/4/91
2995	m-xylene	16390	<0.001	EPA502.2	0.001	3/4/91
2996	Styrene	16390	<0.001	EPA502.2	0.001	3/4/91
2997	o-xylene	16390	<0.001	EPA502.2	0.001	3/4/91

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	16390		< 000001	EPA515	.000001	3/4/91
2036	Oxamyl (Vydate)	16390		<0.002	EPA531	0.002	2/20/91
2037	Simazine	16390		<0.007	EPA505	0.007	3/4/91
2040	Picloram	16390		<0.00007	EPA515	0.00007	3/4/91
2041	Dinoseb	16390		<0.00001	EPA515	0.00001	3/4/91
2043	Aldicarb sulfoxide	16390		<0.002	EPA531	0.002	2/20/91
2044	Aldicarb sulfone	16390		<0.002	EPA531	0.002	2/20/91
2045	Metolachlor	16390		<0.0005	EPA505	0.0005	3/4/91
2046	Carbofuran	16390		<0.001	EPA531	0.001	2/20/91
2047	Aldicarb	16390		<0.002	EPA531	0.002	2/20/91
2050	Atrazine	16390		<0.002	EPA505	0.002	3/4/91
2051	Alachlor (Lasso)	16390		<0.0002	EPA505	0.0002	3/4/91
2065	Heptachlor	16390		<.000005	EPA508	.000005	3/4/91
2356	Aldrin	16390		<0.00007	EPA508	0.00007	3/4/91
2364	Dieldrin	16390		<0.00001	EPA508	0.00001	3/4/91
2440	Dicamba	16390		<0.00001	EPA515	0.00001	3/4/91
2959	Chlordane	16390		<0.00001	EPA508	0.00001	3/4/91

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

eceived From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDENR Lab# : 296
SCDHEC Lab# : 96019

or: 3 (Wells 25,3,8,6,27)
ate Received: Mar 1 1991 Lab Number : 16391

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16391
Ethylene dibromide	mg/L	0.000005	97.3	2.66	<0.000005
ara-dichlorobenzene	mg/L	0.001	96.3	.459	<0.001
Vinyl chloride	mg/L	0.001	94.3	6.62	<0.001
1,1-dichloroethene	mg/L	0.001	94.3	6.62	<0.001
1,2-dichloroethane	mg/L	0.001	99.2	1.04	<0.001
,1,1-trichloroethan	mg/L	0.001	105	1.06	<0.001
arbon tetrachloride	mg/L	0.001	109	1.79	<0.001
Trichloroethene	mg/L	0.001	103	1.86	<0.001
Tetrachloroethene	mg/L	0.001	99.5	.778	<0.001
Benzene	mg/L	0.001	99.3	.162	<0.001
Chloromethane	mg/L	0.001	94.4	1.43	<0.001
ichlorodifluorometh	mg/L	0.001	109	1.79	<0.001
Bromomethane	mg/L	0.001	94.4	1.49	<0.001
Chloroethane	mg/L	0.001	94.3	6.62	<0.001
richlorofluorometha	mg/L	0.001	109	1.79	<0.001
rans-1,3,-dichlorop	mg/L	0.001	95.0	.271	<0.001
is-1,3-dichloroprop	mg/L	0.001	95.1	.205	<0.001
ethyl-tert-butyleth	mg/L	0.001	85.0	.553	<0.001
is-1,2-dichloroethe	mg/L	0.001	95.1	.205	<0.001
Dibromomethane	mg/L	0.001	94.4	1.43	<0.001
1,1-dichloropropene	mg/L	0.001	94.4	1.43	<0.001
1,3-dichloropropane	mg/L	0.001	95.0	.271	<0.001
,2,3-trichloropropa	mg/L	0.001	105	2.50	<0.001
2,2-dichloropropane	mg/L	0.001	94.3	6.62	<0.001
,2-dibromo-3-chloro	mg/L	0.001	105	2.50	<0.001
Chloroform	mg/L	0.001	97.9	4.98	<0.001

Data Release Authorization

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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 3 (Wells 25,3,8,6,27)
Date Received: Mar 1 1991 Lab Number : 16391

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16391
Bromoform	mg/L	0.001	96.3	.470	<0.001
Bromodichloromethane	mg/L	0.001	96.9	.904	<0.001
Dibromochloromethane	mg/L	0.001	95.1	.345	<0.001
p-xylene	mg/L	0.001	94.0	.540	<0.001
Methylene chloride	mg/L	0.001	94.4	1.43	<0.001
o-chlorotoluene	mg/L	0.001	94.4	1.43	<0.001
p-chlorotoluene	mg/L	0.001	98.6	.142	<0.001
m-dichlorobenzene	mg/L	0.001	95.7	.949	<0.001
o-dichlorobenzene	mg/L	0.001	97.2	.174	<0.001
1,1-dichloroethane	mg/L	0.001	97.3	8.57	<0.001
trans-1,2-dichloroet	mg/L	0.001	97.3	8.57	<0.001
1,2-dichloropropane	mg/L	0.001	98.2	1.27	<0.001
1,1,2-trichloroethan	mg/L	0.001	95.6	.802	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	95.6	.802	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	97.5	2.06	<0.001
Chlorobenzene	mg/L	0.001	94.8	.308	<0.001
Toluene	mg/L	0.001	98.6	.142	<0.001
Ethylbenzene	mg/L	0.001	96.8	.170	<0.001
Bromobenzene	mg/L	0.001	94.8	.388	<0.001
m-xylene	mg/L	0.001	94.0	.540	<0.001
Styrene	mg/L	0.001	98.6	.142	<0.001
o-xylene	mg/L	0.001	94.0	.540	<0.001
Dalapon	mg/L	0.000001	104	2.20	<0.000001
Oxamyl (Vydate)	mg/L	0.002	118	8.60	<0.002
Simazine	mg/L	0.007	107	3.83	<0.007
Pictoram	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 FDL (W) and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number : Deltona
PO Number
FDURS LabN : 83139
FDER LabN : E83018
NCDEHNR LabN : 296
SCDHEC LabN : 96019

or: 3 (Wells 25,3,8,6,27)
Date Received: Mar 1 1991 Lab Number : 16391

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16391
Dinoseb	mg/L	0.00001	94.9	3.08	<0.00001
Aldicarb sulfoxide	mg/L	0.002	104	12.8	<0.002
Aldicarb sulfone	mg/L	0.002	96.0	13.0	<0.002
Metolachlor	mg/L	0.0005	96.4	2.15	<0.0005
Carbofuran	mg/L	0.001	98.6	6.02	<0.001
Aldicarb	mg/L	0.002	101	5.86	<0.002
Atrazine	mg/L	0.002	103	1.90	<0.002
Alachlor (Lasso)	mg/L	0.0002	98.3	1.01	<0.0002
Heptachlor	mg/L	0.000005	109	4.98	<0.000005
Aldrin	mg/L	0.00007	107	4.17	<0.00007
Dieldrin	mg/L	0.00001	108	4.56	<0.00001
Dicamba	mg/L	0.00001	108	4.34	<0.00001
Chlordane	mg/L	0.00001	97.5	1.48	<0.00001
Pentachlorophenol	mg/L	0.005	91.3	5.29	<0.005
Hexachlorocyclopenta	mg/L	0.001	99.3	0.23	<0.001
Dioxin	mg/L	0.00001	100	3.52	<0.00001
Isophorone	mg/L	0.001	101	6.07	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.0	1.09	<0.001
Dimethylphthalate	mg/L	0.001	97.8	4.17	<0.001
Diethylphthalate	mg/L	0.001	102	7.82	<0.001
Di-n-butylphthalate	mg/L	0.001	105	3.65	<0.001
butyl benzyl phthala	mg/L	0.001	107	5.98	<0.001
bis(2-ethylhexyl)pht	mg/L	0.001	104	1.96	<0.001
,2,4-trichlorobenze	mg/L	0.001	99.5	1.48	<0.001
PCB_1016	mg/L	0.0001	96.4	2.17	<0.0001
PCB_1221	mg/L	0.0001	96.0	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.
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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS LabN : 83139
FDER LabN : EB3018
NCDEHNR LabN : 296
SCDHEC LabN : 96019

For: 3 (Wells 25,3,8,6,27)
Date Received: Mar 1 1991 Lab Number : 16391

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16391
PCB 1232	mg/L	0.0001	96.0	2.38	<0.0001
PCB 1242	mg/L	0.0001	94.6	3.27	<0.0001
PCB 1248	mg/L	0.0001	97.8	1.70	<0.0001
PCB 1254	mg/L	0.0001	98.3	1.07	<0.0001
PCB 1260	mg/L	0.0001	97.4	2.32	<0.0001
Dioctylphthalate	mg/L	0.001	105	1.13	<0.001
2-chlorophenol	mg/L	0.001	95.4	8.00	<0.001
2-methyl-4,6-dinitop	mg/L	0.001	100	0.57	<0.001
Phenol	mg/L	0.001	105	4.56	<0.001
2,4,6-trichloropheno	mg/L	0.001	92.0	7.90	<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

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Jefferson S Flowers Ph.D
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FLORIDA 32715 0592
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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name: Deltona Lakes
Public Water System Type (check one):
(X)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_X_;
Unregulated Base Neutral Extractable_X_;Unregulated Acid Extractable__X_;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 16391
Sample Location (be specific): Wells 25,3,8,6,27
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw ( )Well ( )Resample
( )Special ___
Sampler Name, Title Phone: Steve Pizza, Water Operator
(407) 574-2181

ANALYSIS INFORMATION
Extraction Date 3/4/91
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 3/7/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/ () 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	16391	.00002	<0.000005	EPA504.1	.000005	3/4/91
2969	Para-dichlorobenzene	16391	.075	<0.001	EPA502.2	0.001	3/4/91
2976	Vinyl chloride	16391	0.001	<0.001	EPA502.2	0.001	3/4/91
2977	1,1-dichloroethene	16391	0.007	<0.001	EPA502.2	0.001	3/4/91
2980	1,2-dichloroethane	16391	0.003	<0.001	EPA502.2	0.001	3/4/91
2981	1,1,1-trichloroethane	16391	0.2	<0.001	EPA502.2	0.001	3/4/91
2982	Carbon tetrachloride	16391	0.003	<0.001	EPA502.2	0.001	3/4/91
2984	Trichloroethene	16391	0.003	<0.001	EPA502.2	0.001	3/4/91
2987	Tetrachloroethene	16391	0.003	<0.001	EPA502.2	0.001	3/4/91
2990	Benzene	16391	0.001	<0.001	EPA502.2	0.001	3/4/91

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	16391		<0.001	EPA502.2	0.001	3/4/91
2212	Dichlorodifluoromethan	16391		<0.001	EPA502.2	0.001	3/4/91
2214	Bromomethane	16391		<0.001	EPA502.2	0.001	3/4/91
2216	Chloroethane	16391		<0.001	EPA502.2	0.001	3/4/91
2218	Trichlorofluoromethane	16391		<0.001	EPA502.2	0.001	3/4/91
2224	trans-1,3,-dichloroprop	16391		<0.001	EPA502.2	0.001	3/4/91
2228	cis-1,3-dichloropropene	16391		<0.001	EPA502.2	0.001	3/4/91
2251	Methyl-tert-butylether	16391		<0.001	EPA502.2	0.001	3/4/91
2380	cis-1,2-dichloroethene	16391		<0.001	EPA502.2	0.001	3/4/91
2408	Dibromomethane	16391		<0.001	EPA502.2	0.001	3/4/91
2410	1,1-dichloropropene	16391		<0.001	EPA502.2	0.001	3/4/91
2412	1,3-dichloropropane	16391		<0.001	EPA502.2	0.001	3/4/91
2414	1,2,3-trichloropropane	16391		<0.001	EPA502.2	0.001	3/4/91
2416	2,2-dichloropropane	16391		<0.001	EPA502.2	0.001	3/4/91
2931	1,2-dibromo-3-chloropr	16391		<0.001	EPA502.2	0.001	3/4/91
2941	Chloroform	16391		<0.001	EPA502.2	0.001	3/4/91
2942	Bromoform	16391		<0.001	EPA502.2	0.001	3/4/91
2943	Bromodichloromethane	16391		<0.001	EPA502.2	0.001	3/4/91
2944	Dibromochloromethane	16391		<0.001	EPA502.2	0.001	3/4/91
2962	p-xylene	16391		<0.001	EPA502.2	0.001	3/4/91
2964	Methylene chloride	16391		<0.001	EPA502.2	0.001	3/4/91
2965	o-chlorotoluene	16391		<0.001	EPA502.2	0.001	3/4/91
2966	p-chlorotoluene	16391		<0.001	EPA502.2	0.001	3/4/91
2967	m-dichlorobenzene	16391		<0.001	EPA502.2	0.001	3/4/91
2968	o-dichlorobenzene	16391		<0.001	EPA502.2	0.001	3/4/91
2978	1,1-dichloroethane	16391		<0.001	EPA502.2	0.001	3/4/91
2979	trans-1,2-dichloroethyl	16391		<0.001	EPA502.2	0.001	3/4/91
2983	1,2-dichloropropane	16391		<0.001	EPA502.2	0.001	3/4/91

2985	1,1,2-trichloroethane	16391	<0.001	EPA502.2	0.001	3/4/91
2986	1,1,1,2-tetrachloroethar	16391	<0.001	EPA502.2	0.001	3/4/91
2988	1,1,2,2-tetrachloroethar	16391	<0.001	EPA502.2	0.001	3/4/91
2989	Chlorobenzene	16391	<0.001	EPA502.2	0.001	3/4/91
2991	Toluene	16391	<0.001	EPA502.2	0.001	3/4/91
2992	Ethylbenzene	16391	<0.001	EPA502.2	0.001	3/4/91
2993	Bromobenzene	16391	<0.001	EPA502.2	0.001	3/4/91
2995	m-xylene	16391	<0.001	EPA502.2	0.001	3/4/91
2996	Styrene	16391	<0.001	EPA502.2	0.001	3/4/91
2997	o-xylene	16391	<0.001	EPA502.2	0.001	3/4/91

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	16391		<.000001	EPA515	.000001	3/4/91
2036	Oxamyl (Vydate)	16391		<0.002	EPA531	0.002	2/20/91
2037	Simazine	16391		<0.007	EPA505	0.007	3/4/91
2040	Picloram	16391		<0.00007	EPA515	0.00007	3/4/91
2041	Dinoseb	16391		<0.00001	EPA515	0.00001	3/4/91
2043	Aldicarb sulfoxide	16391		<0.002	EPA531	0.002	2/20/91
2044	Aldicarb sulfone	16391		<0.002	EPA531	0.002	2/20/91
2045	Metolachlor	16391		<0.0005	EPA505	0.0005	3/4/91
2046	Carbofuran	16391		<0.001	EPA531	0.001	2/20/91
2047	Aldicarb	16391		<0.002	EPA531	0.002	2/20/91
2050	Atrazine	16391		<0.002	EPA505	0.002	3/4/91
2051	Alachlor (Lasso)	16391		<0.0002	EPA505	0.0002	3/4/91
2065	Heptachlor	16391		<.000005	EPA508	.000005	3/4/91
2356	Aldrin	16391		<0.00007	EPA508	0.00007	3/4/91
2364	Dieldrin	16391		<0.00001	EPA508	0.00001	3/4/91
2440	Dicamba	16391		<0.00001	EPA515	0.00001	3/4/91
2959	Chlordane	16391		<0.00001	EPA508	0.00001	3/4/91

FLOWERS CHEMICAL LABORATORIES INCORPORATED

eceived From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

or: 4 (Wells 17,18,20,23,24(15). NOTE
ate Received: Mar 1 1991 Lab Number : 16392

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16392
Ethylene dibromide	mg/L	0.000005	97.3	2.66	<0.000005
ara-dichlorobenzene	mg/L	0.001	96.3	.459	<0.001
Vinyl chloride	mg/L	0.001	94.3	6.62	<0.001
1,1-dichloroethene	mg/L	0.001	94.3	6.62	<0.001
1,2 dichloroethane	mg/L	0.001	99.2	1.04	<0.001
,1,1-trichloroethan	mg/L	0.001	105	1.86	<0.001
arbon tetrachloride	mg/L	0.001	109	1.79	<0.001
Trichloroethene	mg/L	0.001	103	1.86	<0.001
Tetrachloroethene	mg/L	0.001	99.5	.770	<0.001
Benzene	mg/L	0.001	99.3	.162	<0.001
Chloromethane	mg/L	0.001	94.4	1.43	<0.001
ichlorodifluorometh	mg/L	0.001	109	1.79	<0.001
Bromomethane	mg/L	0.001	94.4	1.43	<0.001
Chloroethane	mg/L	0.001	94.3	6.62	<0.001
richlorofluorometha	mg/L	0.001	109	1.79	<0.001
rans-1,3,-dichlorop	mg/L	0.001	95.0	.271	<0.001
is-1,3-dichloroprop	mg/L	0.001	95.1	.205	<0.001
ethyl-tert-butyleth	mg/L	0.001	85.0	.553	<0.001
is-1,2-dichloroethe	mg/L	0.001	95.1	.205	<0.001
Dibromomethane	mg/L	0.001	94.4	1.43	<0.001
1,1-dichloropropene	mg/L	0.001	94.4	1.43	<0.001
1,3-dichloropropane	mg/L	0.001	95.0	.271	<0.001
,2,3-trichloropropa	mg/L	0.001	105	2.50	<0.001
2,2-dichloropropane	mg/L	0.001	94.3	6.62	<0.001
,2-dibromo-3-chloro	mg/L	0.001	105	2.50	<0.001
Chloroform	mg/L	0.001	97.9	4.98	<0.001

NOTE: only 5 wells were composited well #15 showing owl, that it is in service area, but was down for repair

Data Release Authorization
ample integrity and reliability certified by Lab personnel prior to analysis.
ethods of analysis in accordance with FDL DA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 4 (Wells 17,18,28,23,24,15) NOTE:
Date Received: Mar 1 1991 Lab Number : 16392

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16392
Bromoform	mg/L	0.001	96.3	.420	<0.001
Bromodichloromethane	mg/L	0.001	96.9	.981	<0.001
Dibromochloromethane	mg/L	0.001	95.1	.345	<0.001
p-xylene	mg/L	0.001	94.0	.540	<0.001
Methylene chloride	mg/L	0.001	94.4	1.43	<0.001
o-chlorotoluene	mg/L	0.001	94.4	1.43	<0.001
p-chlorotoluene	mg/L	0.001	98.6	.142	<0.001
m-dichlorobenzene	mg/L	0.001	95.7	.949	<0.001
o-dichlorobenzene	mg/L	0.001	97.2	.174	<0.001
1,1-dichloroethane	mg/L	0.001	97.3	8.57	<0.001
trans-1,2-dichloroet	mg/L	0.001	97.3	8.57	<0.001
1,2-dichloropropane	mg/L	0.001	98.2	1.27	<0.001
1,1,2-trichloroethan	mg/L	0.001	95.6	.802	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	95.6	.802	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	97.5	2.06	<0.001
Chlorobenzene	mg/L	0.001	94.8	.388	<0.001
Toluene	mg/L	0.001	98.6	.142	<0.001
Ethylbenzene	mg/L	0.001	96.8	.170	<0.001
Bromobenzene	mg/L	0.001	94.8	.388	<0.001
m-xylene	mg/L	0.001	94.0	.540	<0.001
Styrene	mg/L	0.001	98.6	.142	<0.001
o-xylene	mg/L	0.001	94.0	.540	<0.001
Dalapon	mg/L	0.000001	104	2.20	<0.000001
Oxamyl (Vydate)	mg/L	0.002	118	8.30	<0.002
Simazine	mg/L	0.007	107	3.83	<0.007
Picloram	mg/L	0.00007	106	3.61	<0.00007

NOTE: only 5 WELLS WERE Composited WELL #15 showing only THAT ITS in SERVICE AREA. BUT WAS down FOR Rehab.

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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 0 (Wells 17,18,28,23,24,(15)) NOTE
Date Received: Mar 1 1991 Lab Number : 16392

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16392
Dinoseb	mg/L	0.00001	94.9	3.08	<0.00001
Aldicarb sulfoxide	mg/L	0.002	104	12.8	<0.002
Aldicarb sulfone	mg/L	0.002	96.0	13.0	<0.002
Metolachlor	mg/L	0.0005	96.4	2.15	<0.0005
Carbofuran	mg/L	0.001	98.6	6.02	<0.001
Aldicarb	mg/L	0.002	101	5.86	<0.002
Atrazine	mg/L	0.002	103	1.90	<0.002
Alachlor (Lasso)	mg/L	0.0002	98.3	1.01	<0.0002
Heptachlor	mg/L	0.000005	109	4.98	<0.000005
Aldrin	mg/L	0.00007	107	4.17	<0.00007
Dieldrin	mg/L	0.00001	108	4.56	<0.00001
Dicamba	mg/L	0.00001	100	4.64	<0.00001
Chlordane	mg/L	0.00001	97.5	1.40	<0.00001
Pentachlorophenol	mg/L	0.005	91.3	5.29	<0.005
Hexachlorocyclopenta	mg/L	0.001	99.6	0.23	<0.001
Dioxin	mg/L	0.00001	100	3.52	<0.00001
Isophorone	mg/L	0.001	101	6.07	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.0	1.09	<0.001
Dimethylphthalate	mg/L	0.001	97.8	4.17	<0.001
Diethylphthalate	mg/L	0.001	102	7.82	<0.001
Di-n-butylphthalate	mg/L	0.001	105	3.65	<0.001
Butyl benzyl phthala	mg/L	0.001	107	5.98	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	104	1.96	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.5	1.48	<0.001
PCB 1016	mg/L	0.0001	96.4	2.17	<0.0001
PCB 1221	mg/L	0.0001	98.0	2.80	<0.0001

NOTE: only 5 wells composited: well #15 showing only in service area but was down for repair

Data Release Authorization
Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FDL (A) and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L Flowers PhD
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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 4 (Wells 17,18,28,23,24,15) Note
Date Received: Mar 1 1991 Lab Number : 16392

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16392
PCB_1232	mg/L	0.0001	96.0	2.38	<0.0001
PCB_1242	mg/L	0.0001	94.6	3.27	<0.0001
PCB_1248	mg/L	0.0001	97.8	1.70	<0.0001
PCB_1254	mg/L	0.0001	98.3	1.07	<0.0001
PCB_1260	mg/L	0.0001	97.4	2.32	<0.0001
Dioctylphthalate	mg/L	0.001	105	1.13	<0.001
2 chlorophenol	mg/L	0.001	95.4	8.00	<0.001
2-methyl-4,6-dinitop	mg/L	0.001	100	0.57	<0.001
Phenol	mg/L	0.001	105	4.56	<0.001
2,4,6-trichloropheno	mg/L	0.001	92.0	7.90	<0.001

Note - only 5 wells Composited, Well #15 Showing only that it in Service when. But was down for Repair

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

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name: Deltona Lakes
Public Water System Type (check one):
(X)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_X_;
Unregulated Base Neutral Extractable_X_;Unregulated Acid Extractable__X_;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 16392
Sample Location (be specific): Wells 17,18,28,23,24 (15) NOTE
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw ( )Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Steve Pizza, Water Operator
(407) 574-2181

ANALYSIS INFORMATION
Extraction Date 3/4/91
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 3/7/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA 01 Sample Interpretation (check one):
Effective 06/01/8 () 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	16392	.00002	<0.000005	EPA504.1	.000005	3/4/91
2969	Para-dichlorobenzene	16392	.075	<0.001	EPA502.2	0.001	3/4/91
2976	Vinyl chloride	16392	0.001	<0.001	EPA502.2	0.001	3/4/91
2977	1,1-dichloroethene	16392	0.007	<0.001	EPA502.2	0.001	3/4/91
2980	1,2-dichloroethane	16392	0.003	<0.001	EPA502.2	0.001	3/4/91
2981	1,1,1-trichloroethane	16392	0.2	<0.001	EPA502.2	0.001	3/4/91
2982	Carbon tetrachloride	16392	0.003	<0.001	EPA502.2	0.001	3/4/91
2984	Trichloroethene	16392	0.003	<0.001	EPA502.2	0.001	3/4/91
2987	Tetrachloroethene	16392	0.003	<0.001	EPA502.2	0.001	3/4/91
2990	Benzene	16392	0.001	<0.001	EPA502.2	0.001	3/4/91

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	16392		<0.001	EPA502.2	0.001	3/4/91
2212	Dichlorodifluoromethane	16392		<0.001	EPA502.2	0.001	3/4/91
2214	Bromomethane	16392		<0.001	EPA502.2	0.001	3/4/91
2216	Chloroethane	16392		<0.001	EPA502.2	0.001	3/4/91
2218	Trichlorofluoromethane	16392		<0.001	EPA502.2	0.001	3/4/91
2224	trans-1,3,-dichloroprop	16392		<0.001	EPA502.2	0.001	3/4/91
2228	cis-1,3-dichloropropene	16392		<0.001	EPA502.2	0.001	3/4/91
2251	Methyl-tert-butylether	16392		<0.001	EPA502.2	0.001	3/4/91
2300	cis-1,2-dichloroethene	16392		<0.001	EPA502.2	0.001	3/4/91
2408	Dibromomethane	16392		<0.001	EPA502.2	0.001	3/4/91
2410	1,1-dichloropropene	16392		<0.001	EPA502.2	0.001	3/4/91
2412	1,3-dichloropropane	16392		<0.001	EPA502.2	0.001	3/4/91
2414	1,2,3-trichloropropane	16392		<0.001	EPA502.2	0.001	3/4/91
2416	2,2-dichloropropane	16392		<0.001	EPA502.2	0.001	3/4/91
2931	1,2-dibromo-3-chloropr	16392		<0.001	EPA502.2	0.001	3/4/91
2941	Chloroform	16392		<0.001	EPA502.2	0.001	3/4/91
2942	Bromoform	16392		<0.001	EPA502.2	0.001	3/4/91
2943	Bromodichloromethane	16392		<0.001	EPA502.2	0.001	3/4/91
2944	Dibromochloromethane	16392		<0.001	EPA502.2	0.001	3/4/91
2962	p-xylene	16392		<0.001	EPA502.2	0.001	3/4/91
2964	Methylene chloride	16392		<0.001	EPA502.2	0.001	3/4/91
2965	o-chlorotoluene	16392		<0.001	EPA502.2	0.001	3/4/91
2966	p-chlorotoluene	16392		<0.001	EPA502.2	0.001	3/4/91
2967	m-dichlorobenzene	16392		<0.001	EPA502.2	0.001	3/4/91
2968	o-dichlorobenzene	16392		<0.001	EPA502.2	0.001	3/4/91
2978	1,1-dichloroethane	16392		<0.001	EPA502.2	0.001	3/4/91
2979	trans-1,2-dichloroethyl	16392		<0.001	EPA502.2	0.001	3/4/91
2983	1,2-dichloropropane	16392		<0.001	EPA502.2	0.001	3/4/91

2985	1,1,2-trichloroethane	16392	<0.001	EPA502.2	0.001	3/4/91
2986	1,1,1,2-tetrachloroethai	16392	<0.001	EPA502.2	0.001	3/4/91
2988	1,1,2,2-tetrachloroethai	16392	<0.001	EPA502.2	0.001	3/4/91
2989	Chlorobenzene	16392	<0.001	EPA502.2	0.001	3/4/91
2991	Toluene	16392	<0.001	EPA502.2	0.001	3/4/91
2992	Ethylbenzene	16392	<0.001	EPA502.2	0.001	3/4/91
2993	Bromobenzene	16392	<0.001	EPA502.2	0.001	3/4/91
2995	m-xylene	16392	<0.001	EPA502.2	0.001	3/4/91
2996	Styrene	16392	<0.001	EPA502.2	0.001	3/4/91
2997	o-xylene	16392	<0.001	EPA502.2	0.001	3/4/91

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	16392		<.000001	EPA515	.000001	3/4/91
2036	Oxamyl (Vydate)	16392		<0.002	EPA531	0.002	2/20/91
2037	Simazine	16392		<0.007	EPA505	0.007	3/4/91
2040	Picloram	16392		<0.00007	EPA515	0.00007	3/4/91
2041	Dinoseb	16392		<0.00001	EPA515	0.00001	3/4/91
2043	Aldicarb sulfoxide	16392		<0.002	EPA531	0.002	2/20/91
2044	Aldicarb sulfone	16392		<0.002	EPA531	0.002	2/20/91
2045	Metolachlor	16392		<0.0005	EPA505	0.0005	3/4/91
2046	Carbofuran	16392		<0.001	EPA531	0.001	2/20/91
2047	Aldicarb	16392		<0.002	EPA531	0.002	2/20/91
2050	Atrazine	16392		<0.002	EPA505	0.002	3/4/91
2051	Alachlor (Lasso)	16392		<0.0002	EPA505	0.0002	3/4/91
2065	Heptachlor	16392		<.000005	EPA508	.000005	3/4/91
2356	Aldrin	16392		<0.00007	EPA508	0.00007	3/4/91
2364	Dieldrin	16392		<0.00001	EPA508	0.00001	3/4/91
2440	Dicamba	16392		<0.00001	EPA515	0.00001	3/4/91
2959	Chlordane	16392		<0.00001	EPA508	0.00001	3/4/91

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 5 (Well 4)
Date Received: Mar 1 1991 Lab Number : 16393

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16393
Ethylene dibromide	mg/L	0.000005	97.3	2.66	<0.000005
para-dichlorobenzene	mg/L	0.001	94.3	.459	<0.001
Vinyl chloride	mg/L	0.001	94.3	6.62	<0.001
1,1-dichloroethene	mg/L	0.001	94.3	6.62	<0.001
1,2-dichloroethane	mg/L	0.001	99.2	1.04	<0.001
,1,1-trichloroethan	mg/L	0.001	105	1.86	<0.001
arbon tetrachloride	mg/L	0.001	109	1.79	<0.001
Trichloroethene	mg/L	0.001	103	1.86	<0.001
Tetrachloroethene	mg/L	0.001	99.5	.778	<0.001
Benzene	mg/L	0.001	99.3	.162	<0.001
Chloromethane	mg/L	0.001	94.4	1.43	<0.001
ichlorodifluorometh	mg/L	0.001	109	1.79	<0.001
Bromomethane	mg/L	0.001	94.4	1.43	<0.001
Chloroethane	mg/L	0.001	94.3	6.62	<0.001
richlorofluorometha	mg/L	0.001	109	1.79	<0.001
rans-1,3,-dichlorop	mg/L	0.001	95.0	.271	<0.001
is-1,3-dichloroprop	mg/L	0.001	95.1	.205	<0.001
ethyl-tert-butyleth	mg/L	0.001	85.0	.553	<0.001
is-1,2-dichloroethe	mg/L	0.001	95.1	.205	<0.001
Dibromomethane	mg/L	0.001	94.4	1.43	<0.001
1,1-dichloropropene	mg/L	0.001	94.4	1.43	<0.001
1,3-dichloropropane	mg/L	0.001	95.0	.271	<0.001
,2,3-trichloropropa	mg/L	0.001	105	2.50	<0.001
2,2-dichloropropane	mg/L	0.001	94.3	6.62	<0.001
,2-dibromo-3-chloro	mg/L	0.001	105	2.50	<0.001
Chloroform	mg/L	0.001	97.9	4.98	<0.001

Data Release Authorization

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

Jefferson S. Flowers, Ph.D.
Technical Director

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: S (DEU 4)
Date Received: Mar 1 1991 Lab Number : 16393

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16393
Bromoform	mg/L	0.001	96.3	.470	0.0717
Bromodichloromethane	mg/L	0.001	96.9	.984	0.00379
Dibromochloromethane	mg/L	0.001	95.1	.345	0.0218
p-xylene	mg/L	0.001	94.0	.540	<0.001
Methylene chloride	mg/L	0.001	94.4	1.43	<0.001
o chlorotoluene	mg/L	0.001	94.4	1.41	<0.001
p-chlorotoluene	mg/L	0.001	98.6	.142	<0.001
m-dichlorobenzene	mg/L	0.001	95.7	.949	<0.001
o-dichlorobenzene	mg/L	0.001	97.2	.174	<0.001
1,1-dichloroethane	mg/L	0.001	97.3	8.57	<0.001
trans-1,2-dichloroet	mg/L	0.001	97.3	8.57	<0.001
1,2-dichloropropane	mg/L	0.001	98.2	1.27	<0.001
1,1,2-trichloroethan	mg/L	0.001	95.6	.802	<0.001
1,1,1,2-tetrachloroe	mg/L	0.001	95.6	.802	<0.001
1,1,2,2-tetrachloroe	mg/L	0.001	97.5	2.06	<0.001
Chlorobenzene	mg/L	0.001	94.8	.388	<0.001
Toluene	mg/L	0.001	98.6	.142	<0.001
Ethylbenzene	mg/L	0.001	96.8	.178	<0.001
Bromobenzene	mg/L	0.001	94.8	.388	<0.001
m-xylene	mg/L	0.001	94.0	.540	<0.001
Styrene	mg/L	0.001	98.6	.142	<0.001
o-xylene	mg/L	0.001	94.0	.540	<0.001
Dalapon	mg/L	0.000001	104	2.20	<0.000001
Diamyl (Vydate)	mg/L	0.002	118	8.60	<0.002
Simazine	mg/L	0.007	107	3.83	<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 FIL (W) and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona PO Number
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For : S (Well 4)
Date Received: Mar 1 1991 Lab Number : 16393

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16393
Dinoseb	mg/L	0.00001	94.9	3.08	<0.00001
Aldicarb sulfoxide	mg/L	0.002	104	12.8	<0.002
Aldicarb sulfone	mg/L	0.002	96.0	13.0	<0.002
Metolachlor	mg/L	0.0005	96.4	2.15	<0.0005
Carbofuran	mg/L	0.001	98.8	8.02	<0.001
Aldicarb	mg/L	0.002	101	5.86	<0.002
Atrazine	mg/L	0.002	103	1.90	<0.002
Alachlor (Lasso)	mg/L	0.0002	98.3	1.01	<0.0002
Heptachlor	mg/L	0.000005	109	4.98	<0.000005
Aldrin	mg/L	0.00007	107	4.17	<0.00007
Dieldrin	mg/L	0.00001	108	4.56	<0.00001
Dicamba	mg/L	0.00001	108	4.64	<0.00001
Chlordane	mg/L	0.00001	97.5	1.48	<0.00001
Pentachlorophenol	mg/L	0.005	91.3	5.29	<0.005
Hexachlorocyclopenta	mg/L	0.001	99.6	0.23	<0.001
Dioxin	mg/L	0.00001	100	3.52	<0.00001
Isophorone	mg/L	0.001	101	6.07	<0.001
2,4-dinitrotoluene	mg/L	0.001	99.0	1.09	<0.001
Dimethylphthalate	mg/L	0.001	97.8	4.17	<0.001
Diethylphthalate	mg/L	0.001	102	7.82	<0.001
Di-n-butylphthalate	mg/L	0.001	105	3.65	<0.001
Butyl benzyl phthala	mg/L	0.001	107	5.98	<0.001
Bis(2-ethylhexyl)pht	mg/L	0.001	104	1.96	<0.001
1,2,4-trichlorobenze	mg/L	0.001	99.5	1.48	<0.001
PCB_1016	mg/L	0.0001	96.4	2.17	<0.0001
PCB_1221	mg/L	0.0001	96.0	2.80	<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

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FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: Mar12 1991
PO Number: Deltona
PO Number
FDHRS Lab# : 83139
FDER Lab# : EB3018
HRSDEINR Lab# : 296
SCDHEC Lab# : 96019

For : 5 (Well 4)
Date Received: Mar 1 1991 Lab Number : 16393

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16393
PCB_1232	mg/L	0.0001	96.0	2.38	<0.0001
PCB_1242	mg/L	0.0001	94.6	3.27	<0.0001
PCB_1248	mg/L	0.0001	97.8	1.70	<0.0001
PCB_1254	mg/L	0.0001	98.3	1.07	<0.0001
PCB_1260	mg/L	0.0001	97.4	2.32	<0.0001
Dioctylphthalate	mg/L	0.001	105	1.13	<0.001
2-chlorophenol	mg/L	0.001	95.4	8.00	<0.001
2-methyl-4,6-dinitop	mg/L	0.001	100	0.57	<0.001
Phenol	mg/L	0.001	105	4.56	<0.001
2,4,6-trichloropheno	mg/L	0.001	92.0	7.90	<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

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name: Deltona Lakes
Public Water System Type (check one):
(X)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_X_;
Unregulated Base Neutral Extractable_X_; Unregulated Acid Extractable__X_;
Subcontracted Lab Certification Number (if any):

SAMPLE INFORMATION
Sample Date (MMDDYY):
Laboratory Sample Number 16393
Sample Location (be specific): Well #4
Sample Type (check all applicable):
( )Check ( ) Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw ( )Well ( )Resample
( )Special ___
Sampler Name, Title, Phone: Steve Pizza, Water Operator (407) 574-2101

ANALYSIS INFORMATION
Extraction Date 3/4/91
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 3/7/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/(() 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	16393	.00002	<0.000005	EPA504.1	.000005	3/4/91
2969	Para-dichlorobenzene	16393	.075	<0.001	EPA502.2	0.001	3/4/91
2976	Vinyl chloride	16393	0.001	<0.001	EPA502.2	0.001	3/4/91
2977	1,1-dichloroethene	16393	0.007	<0.001	EPA502.2	0.001	3/4/91
2980	1,2-dichloroethane	16393	0.003	<0.001	EPA502.2	0.001	3/4/91
2981	1,1,1-trichloroethane	16393	0.2	<0.001	EPA502.2	0.001	3/4/91
2982	Carbon tetrachloride	16393	0.003	<0.001	EPA502.2	0.001	3/4/91
2984	Trichloroethene	16393	0.003	<0.001	EPA502.2	0.001	3/4/91
2987	Tetrachloroethene	16393	0.003	<0.001	EPA502.2	0.001	3/4/91
2990	Benzene	16393	0.001	<0.001	EPA502.2	0.001	3/4/91

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	16393		<0.001	EPA502.2	0.001	3/4/91
2212	Dichlorodifluoromethane	16393		<0.001	EPA502.2	0.001	3/4/91
2214	Bromomethane	16393		<0.001	EPA502.2	0.001	3/4/91
2216	Chloroethane	16393		<0.001	EPA502.2	0.001	3/4/91
2218	Trichlorofluoromethane	16393		<0.001	EPA502.2	0.001	3/4/91
2224	trans-1,3,-dichloroprop	16393		<0.001	EPA502.2	0.001	3/4/91
2228	cis-1,3-dichloropropene	16393		<0.001	EPA502.2	0.001	3/4/91
2251	Methyl-tert-butylether	16393		<0.001	EPA502.2	0.001	3/4/91
2380	cis-1,2-dichloroethene	16393		<0.001	EPA502.2	0.001	3/4/91
2408	Dibromomethane	16393		<0.001	EPA502.2	0.001	3/4/91
2410	1,1-dichloropropene	16393		<0.001	EPA502.2	0.001	3/4/91
2412	1,3-dichloropropane	16393		<0.001	EPA502.2	0.001	3/4/91
2414	1,2,3-trichloropropane	16393		<0.001	EPA502.2	0.001	3/4/91
2416	2,2-dichloropropane	16393		<0.001	EPA502.2	0.001	3/4/91
2931	1,2-dibromo-3-chloropr	16393		<0.001	EPA502.2	0.001	3/4/91
2941	Chloroform	16393		<0.001	EPA502.2	0.001	3/4/91
2942	Bromoform	16393		0.0717	EPA502.2	0.001	3/4/91
2943	Bromodichloromethane	16393		0.00379	EPA502.2	0.001	3/4/91
2944	Dibromochloromethane	16393		0.0218	EPA502.2	0.001	3/4/91
2962	p-xylene	16393		<0.001	EPA502.2	0.001	3/4/91
2964	Methylene chloride	16393		<0.001	EPA502.2	0.001	3/4/91
2965	o-chlorotoluene	16393		<0.001	EPA502.2	0.001	3/4/91
2966	p-chlorotoluene	16393		<0.001	EPA502.2	0.001	3/4/91
2967	m-dichlorobenzene	16393		<0.001	EPA502.2	0.001	3/4/91
2968	o-dichlorobenzene	16393		<0.001	EPA502.2	0.001	3/4/91
2978	1,1-dichloroethane	16393		<0.001	EPA502.2	0.001	3/4/91
2979	trans-1,2-dichloroethyl	16393		<0.001	EPA502.2	0.001	3/4/91
2983	1,2-dichloropropane	16393		<0.001	EPA502.2	0.001	3/4/91

2985	1,1,2-trichloroethane	16393	<0.001	EPA502.2	0.001	3/4/91
2986	1,1,1,2-tetrachloroethai	16393	<0.001	EPA502.2	0.001	3/4/91
2988	1,1,2,2-tetrachloroethai	16393	<0.001	EPA502.2	0.001	3/4/91
2989	Chlorobenzene	16393	<0.001	EPA502.2	0.001	3/4/91
2991	Toluene	16393	<0.001	EPA502.2	0.001	3/4/91
2992	Ethylbenzene	16393	<0.001	EPA502.2	0.001	3/4/91
2993	Bromobenzene	16393	<0.001	EPA502.2	0.001	3/4/91
2995	m-xylene	16393	<0.001	EPA502.2	0.001	3/4/91
2996	Styrene	16393	<0.001	EPA502.2	0.001	3/4/91
2997	o-xylene	16393	<0.001	EPA502.2	0.001	3/4/91

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	16393		<.000001	EPA515	.000001	3/4/91
2036	Oxamyl (Vydate)	16393		<0.002	EPA531	0.002	2/20/91
2037	Simazine	16393		<0.007	EPA505	0.007	3/4/91
2040	Picloram	16393		<0.00007	EPA515	0.00007	3/4/91
2041	Dinoseb	16393		<0.00001	EPA515	0.00001	3/4/91
2043	Aldicarb sulfoxide	16393		<0.002	EPA531	0.002	2/20/91
2044	Aldicarb sulfone	16393		<0.002	EPA531	0.002	2/20/91
2045	Metolachlor	16393		<0.0005	EPA505	0.0005	3/4/91
2046	Carbofuran	16393		<0.001	EPA531	0.001	2/20/91
2047	Aldicarb	16393		<0.002	EPA531	0.002	2/20/91
2050	Atrazine	16393		<0.002	EPA505	0.002	3/4/91
2051	Alachlor (Lasso)	16393		<0.0002	EPA505	0.0002	3/4/91
2065	Heptachlor	16393		<.000005	EPA508	.000005	3/4/91
2356	Aldrin	16393		<0.00007	EPA508	0.00007	3/4/91
2364	Dieldrin	16393		<0.00001	EPA508	0.00001	3/4/91
2440	Dicamba	16393		<0.00001	EPA515	0.00001	3/4/91
2959	Chlordane	16393		<0.00001	EPA508	0.00001	3/4/91

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD

CLIENT	ADDRESS	PHONE
Deltona	P.O. Box 5309	574-2151
PROJECT NAME: Deltona	REQUIRED: ☐ Urgent ☒ Routine	DATE 3-1-91

Sample Containers QTY	Preservative: HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid		Plastic Containers: 60mL	125mL	250mL	500mL	1L	2L	Whirl-Pak Bag		Glass Containers: 40mL Vial	250mL	500mL	1L	2L	4L		NOTES:
42																K							

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

Parameters: VOC's

Laboratory Number	Client Identification/Description
	Well sites on sheet attached.

		Date	Time
Sample Collection:	Steven Pizzo	3-1-91	8AM TO 11:00AM
Transportation:			
Lab Acceptance		3/1/91	1340

Page ____ of ____

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

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: May22 1991
PO Number: N/A
PO Number Deltona
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 2,3,6,8,25
Date Received: May10 1991 Lab Number : 16893

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16893
Ethylene dibromide	mg/L	0.000005	93.4	10.8	<0.000005
Para-dichlorobenzene	mg/L	0.001	107	.275	<0.001
Vinyl chloride	mg/L	0.001	81.1	11.4	<0.001
1,1-dichloroethene	mg/L	0.001	81.1	11.4	<0.001
1,2-dichloroethane	mg/L	0.001	108	1.90	<0.001
1,1,1-trichloroethan	mg/L	0.001	116	2.96	<0.001
Carbon tetrachloride	mg/L	0.001	113	2.67	<0.001
Trichloroethene	mg/L	0.001	113	.770	<0.001
Tetrachloroethene	mg/L	0.001	111	.970	<0.001
Benzene	mg/L	0.001	102	7.42	<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 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 4110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name DELTONA Utilities
Public Water System Type (check one):
(X)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): 5-10-91
Laboratory Sample Number 16893
Sample Location (be specific): Raw Wells 2,3,6,8,25
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: ROBERT HENDERSON OPER. TRAINEE
574-2181

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 5/21/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	16893	.00002	<.000005	EPA504.1	.000005	5/21/91
2969	Para-dichlorobenzene	16893	.075	<0.001	EPA502.2	0.001	5/18/91
2976	Vinyl chloride	16893	0.001	<0.001	EPA502.2	0.001	5/18/91
2977	1,1-dichloroethene	16893	0.007	<0.001	EPA502.2	0.001	5/18/91
2980	1,2-dichloroethane	16893	0.003	<0.001	EPA502.2	0.001	5/18/91
2981	1,1,1-trichloroethane	16893	0.2	<0.001	EPA502.2	0.001	5/18/91
2982	Carbon tetrachloride	16893	0.003	<0.001	EPA502.2	0.001	5/18/91
2984	Trichloroethene	16893	0.003	<0.001	EPA502.2	0.001	5/18/91
2987	Tetrachloroethene	16893	0.003	<0.001	EPA502.2	0.001	5/18/91
2990	Benzene	16893	0.001	<0.001	EPA502.2	0.001	5/18/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: May22 1991
PO Number: N/A
PO Number Deltona
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 9,12,14,16,27
Date Received: May10 1991 Lab Number : 16894

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16894
Ethylene dibromide	mg/L	0.000005	93.4	10.8	<0.000005
Para-dichlorobenzene	mg/L	0.001	107	.275	<0.001
Vinyl chloride	mg/L	0.001	81.1	11.4	<0.001
1,1-dichloroethene	mg/L	0.001	81.1	11.4	<0.001
1,2-dichloroethane	mg/L	0.001	108	1.90	<0.001
1,1,1-trichloroethan	mg/L	0.001	116	2.96	<0.001
Carbon tetrachloride	mg/L	0.001	113	2.67	<0.001
Trichloroethene	mg/L	0.001	113	.770	<0.001
Tetrachloroethene	mg/L	0.001	111	.970	<0.001
Benzene	mg/L	0.001	102	7.42	<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 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

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640267
Public Water System Name Deltona Utilities
Public Water System Type (check one):
(X)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 16894
Sample Location (be specific): 15, 17, 18, 24, 28
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Robert Henderson Oper Trainee
574-2181

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 5/21/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	16894	.00002	<.000005	EPA504.1	.000005	5/21/91
2969	Para-dichlorobenzene	16894	.075	<0.001	EPA502.2	0.001	5/18/91
2976	Vinyl chloride	16894	0.001	<0.001	EPA502.2	0.001	5/18/91
2977	1,1-dichloroethene	16894	0.007	<0.001	EPA502.2	0.001	5/18/91
2980	1,2-dichloroethane	16894	0.003	<0.001	EPA502.2	0.001	5/18/91
2981	1,1,1-trichloroethane	16894	0.2	<0.001	EPA502.2	0.001	5/18/91
2982	Carbon tetrachloride	16894	0.003	<0.001	EPA502.2	0.001	5/18/91
2984	Trichloroethene	16894	0.003	<0.001	EPA502.2	0.001	5/18/91
2987	Tetrachloroethene	16894	0.003	<0.001	EPA502.2	0.001	5/18/91
2990	Benzene	16894	0.001	<0.001	EPA502.2	0.001	5/18/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: May22 1991
PO Number: N/A
PO Number Deltona
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 15,17,18,24,28
Date Received: May10 1991 Lab Number : 16895

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16895
Ethylene dibromide	mg/L	0.000005	93.4	10.8	<0.000005
Para-dichlorobenzene	mg/L	0.001	107	.275	<0.001
Vinyl chloride	mg/L	0.001	81.1	11.4	<0.001
1,1-dichloroethene	mg/L	0.001	81.1	11.4	<0.001
1,2-dichloroethane	mg/L	0.001	108	1.90	<0.001
1,1,1-trichloroethan	mg/L	0.001	116	2.96	<0.001
Carbon tetrachloride	mg/L	0.001	113	2.67	<0.001
Trichloroethene	mg/L	0.001	113	.770	<0.001
Tetrachloroethene	mg/L	0.001	111	.970	<0.001
Benzene	mg/L	0.001	102	7.42	<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 L 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) 260 0130

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name Dalton Utilities
Public Water System Type (check one):
( )Commun ( )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 16895
Sample Location (be specific): Raw Wells 9,12,14,16,27
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
( )Raw ( )Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Robert Henderson Oper. Trainee
574-2181

ANALYSIS INFORMATION
Extraction Date ___/___/____
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTEL 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 5/21/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/(() 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	16895	.00002	<.000005	EPA504.1	.000005	5/21/91
2969	Para-dichlorobenzene	16895	.075	<0.001	EPA502.2	0.001	5/18/91
2976	Vinyl chloride	16895	0.001	<0.001	EPA502.2	0.001	5/18/91
2977	1,1-dichloroethene	16895	0.007	<0.001	EPA502.2	0.001	5/18/91
2980	1,2-dichloroethane	16895	0.003	<0.001	EPA502.2	0.001	5/18/91
2981	1,1,1-trichloroethane	16895	0.2	<0.001	EPA502.2	0.001	5/18/91
2982	Carbon tetrachloride	16895	0.003	<0.001	EPA502.2	0.001	5/18/91
2984	Trichloroethene	16895	0.003	<0.001	EPA502.2	0.001	5/18/91
2987	Tetrachloroethene	16895	0.003	<0.001	EPA502.2	0.001	5/18/91
2990	Benzene	16895	0.001	<0.001	EPA502.2	0.001	5/18/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: May22 1991
PO Number: N/A
PO Number Deltona
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 4,19,21,22,32
Date Received: May10 1991 Lab Number : 16896

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16896
Ethylene dibromide	mg/L	0.000005	93.4	10.8	<0.000005
Para-dichlorobenzene	mg/L	0.001	107	.275	<0.001
Vinyl chloride	mg/L	0.001	81.1	11.4	<0.001
1,1-dichloroethene	mg/L	0.001	81.1	11.4	<0.001
1,2-dichloroethane	mg/L	0.001	108	1.90	<0.001
1,1,1-trichloroethan	mg/L	0.001	116	2.96	<0.001
Carbon tetrachloride	mg/L	0.001	113	2.67	<0.001
Trichloroethene	mg/L	0.001	113	.770	<0.001
Tetrachloroethene	mg/L	0.001	111	.970	<0.001
Benzene	mg/L	0.001	102	7.42	<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 L. Flowers, Ph.D
Jefferson S. Flowers, Ph.D
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ALTAMONTE 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: 3640287
Public Water System Name: Dallas Utilities
Public Water System Type (check one):
X Commun ( ) 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 16896
Sample Location (be specific): 4, 19, 21, 22, 32
Sample Type (check all applicable):
( )Check ( )Regular Distribution X Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
X Raw X Well ( )Resampl
( )Special_____
Sampler Name, Title Phone: Robert Henderson - Opr Trainee 574-2101

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 5/21/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 ( ) 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	16896	.00002	<.000005	EPA504.1	.000005	5/21/91
2969	Para-dichlorobenzene	16896	.075	<0.001	EPA502.2	0.001	5/18/91
2976	Vinyl chloride	16896	0.001	<0.001	EPA502.2	0.001	5/18/91
2977	1,1-dichloroethene	16896	0.007	<0.001	EPA502.2	0.001	5/18/91
2980	1,2-dichloroethane	16896	0.003	<0.001	EPA502.2	0.001	5/18/91
2981	1,1,1-trichloroethane	16896	0.2	<0.001	EPA502.2	0.001	5/18/91
2982	Carbon tetrachloride	16896	0.003	<0.001	EPA502.2	0.001	5/18/91
2984	Trichloroethene	16896	0.003	<0.001	EPA502.2	0.001	5/18/91
2987	Tetrachloroethene	16896	0.003	<0.001	EPA502.2	0.001	5/18/91
2990	Benzene	16896	0.001	<0.001	EPA502.2	0.001	5/18/91

Comments:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32738

Date Reported: May22 1991
PO Number: N/A
PO Number Deltona
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 23
Date Received: May10 1991 Lab Number : 16897

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16897
Ethylene dibromide	mg/L	0.000005	93.4	10.8	<0.000005
Para-dichlorobenzene	mg/L	0.001	107	.275	<0.001
Vinyl chloride	mg/L	0.001	81.1	11.4	<0.001
1,1-dichloroethene	mg/L	0.001	81.1	11.4	<0.001
1,2-dichloroethane	mg/L	0.001	108	1.90	<0.001
1,1,1-trichloroethan	mg/L	0.001	116	2.96	<0.001
Carbon tetrachloride	mg/L	0.001	113	2.67	<0.001
Trichloroethene	mg/L	0.001	113	.770	<0.001
Tetrachloroethene	mg/L	0.001	111	.970	<0.001
Benzene	mg/L	0.001	102	7.42	<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.
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FAX (407) 260 6110

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 8 1991
PO Number: HOLD REPORT
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 2,3,4,6,8
Date Received: Oct31 1991 Lab Number : 18173

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18173
Ethylene dibromide	mg/L	0.000005	108	7.45	<0.000005
Para-dichlorobenzene	mg/L-	0.001	95.3	1.29	<0.001
Vinyl chloride	mg/L	0.001	116	.734	<0.001
1,1-dichloroethene	mg/L	0.001	116	.734	<0.001
1,2-dichloroethane	mg/L	0.001	102	1.62	<0.001
1,1,1-trichloroethan	mg/L	0.001	106	1.98	<0.001
Carbon tetrachloride	mg/L	0.001	105	1.62	<0.001
Trichloroethene	mg/L	0.001	98.5	.010	<0.001
Tetrachloroethene	mg/L	0.001	100	.048	<0.001
Benzene	mg/L	0.001	108	1.63	<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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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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: 3600227
Public Water System Name: DEL FORA UTILITIES
Public Water System Type (check one):
(X)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): 10-31-91
Laboratory Sample Number 18173
Sample Location (be specific): well # 2, 3, 4, 5
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
( )Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Randy Cornell Supervisor 574-2181

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 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	18173	.00002	<.000005	EPA504.1	.000005	11/7/91
2969	Para-dichlorobenzene	18173	.075	<0.001	EPA502.2	0.001	10/31/91
2976	Vinyl chloride	18173	0.001	<0.001	EPA502.2	0.001	10/31/91
2977	1,1-dichloroethene	18173	0.007	<0.001	EPA502.2	0.001	10/31/91
2980	1,2-dichloroethane	18173	0.003	<0.001	EPA502.2	0.001	10/31/91
2981	1,1,1-trichloroethane	18173	0.2	<0.001	EPA502.2	0.001	10/31/91
2982	Carbon tetrachloride	18173	0.003	<0.001	EPA502.2	0.001	10/31/91
2984	Trichloroethene	18173	0.003	<0.001	EPA502.2	0.001	10/31/91
2987	Tetrachloroethene	18173	0.003	<0.001	EPA502.2	0.001	10/31/91
2990	Benzene	18173	0.001	<0.001	EPA502.2	0.001	10/31/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 8 1991
PO Number: HOLD REPORT
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 9,12,14,15,16
Date Received: Oct31 1991 Lab Number : 18174

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18174
Ethylene dibromide	mg/L	0.000005	108	7.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	95.3	1.29	<0.001
Vinyl chloride	mg/L	0.001	116	.734	<0.001
1,1-dichloroethene	mg/L	0.001	116	.734	<0.001
1,2-dichloroethane	mg/L	0.001	102	1.62	<0.001
1,1,1-trichloroethan	mg/L	0.001	106	1.98	<0.001
Carbon tetrachloride	mg/L	0.001	105	1.62	<0.001
Trichloroethene	mg/L	0.001	98.5	.010	<0.001
Tetrachloroethene	mg/L	0.001	100	.048	<0.001
Benzene	mg/L	0.001	108	1.63	<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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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BUS. (407) 339-5984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System .D. Number: 3610287
Public Water System Name DELTONA UTILITY
Public Water System Type (check one):
(X)Commun ( )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 Basc Neutral Extractable___;Unregulated Acid Extractable___;
Subcontracted Lab Certification Number (i any):

SAMPLE INFORMATION
Sample Date (MMDDYY): 10-31-91
Laboratory Sample Number 18174
Sample Location (be specific): WELLS 9, 12, 14, 15 & 16
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
( )Raw (X)Well ( )Resample
( )Special___
Sampler Name, Title Phone: Randy Cordell Opera 574-3181

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 11/7/91

Mail Results to the
Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Officer

PWSA 01 Sample Interpretation (check one)
Effective 08/01/8 () 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	18174	.00002	<.000005	EPA504.1	.000005	11/7/91
2969	Para-dichlorobenzene	18174	.075	<0.001	EPA502.2	0.001	10/31/91
2976	Vinyl chloride	18174	0.001	<0.001	EPA502.2	0.001	10/31/91
2977	1,1-dichloroethene	18174	0.007	<0.001	EPA502.2	0.001	10/31/91
2980	1,2-dichloroethane	18174	0.003	<0.001	EPA502.2	0.001	10/31/91
2981	1,1,1-trichloroethane	18174	0.2	<0.001	EPA502.2	0.001	10/31/91
2982	Carbon tetrachloride	18174	0.003	<0.001	EPA502.2	0.001	10/31/91
2984	Trichloroethene	18174	0.003	<0.001	EPA502.2	0.001	10/31/91
2987	Tetrachloroethene	18174	0.003	<0.001	EPA502.2	0.001	10/31/91
2990	Benzene	18174	0.001	<0.001	EPA502.2	0.001	10/31/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 8 1991
PO Number: HOLD REPORT
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 17,18,19,20,21
Date Received: Oct31 1991 Lab Number : 18175

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18175
Ethylene dibromide	mg/L	0.000005	108	7.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	95.3	1.29	<0.001
Vinyl chloride	mg/L	0.001	116	.734	<0.001
1,1-dichloroethene	mg/L	0.001	116	.734	<0.001
1,2-dichloroethane	mg/L	0.001	102	1.62	<0.001
1,1,1-trichloroethan	mg/L	0.001	106	1.98	<0.001
Carbon tetrachloride	mg/L	0.001	105	1.62	<0.001
Trichloroethene	mg/L	0.001	98.5	.010	<0.001
Tetrachloroethene	mg/L	0.001	100	.048	<0.001
Benzene	mg/L	0.001	108	1.63	<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 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

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 5610287
Public Water System Name: [illegible]
Public Water System Type (check one):
(X)Commun ( )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): 10-31-91
Laboratory Sample Number 18175
Sample Location (be specific): [illegible]
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
( )Raw 44Well ( )Resample
( )Special___
Sampler Name, Title Phone: [illegible]

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: [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 Offical:

PWSA.01 Sample Interpretation (check one):
Effective 08/01/91 (X) 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	18175	.00002	<.000005	EPA504.1	.000005	11/7/91
2969	Para-dichlorobenzene	18175	.075	<0.001	EPA502.2	0.001	10/31/91
2976	Vinyl chloride	18175	0.001	<0.001	EPA502.2	0.001	10/31/91
2977	1,1-dichloroethene	18175	0.007	<0.001	EPA502.2	0.001	10/31/91
2980	1,2-dichloroethane	18175	0.003	<0.001	EPA502.2	0.001	10/31/91
2981	1,1,1-trichloroethane	18175	0.2	<0.001	EPA502.2	0.001	10/31/91
2982	Carbon tetrachloride	18175	0.003	<0.001	EPA502.2	0.001	10/31/91
2984	Trichloroethene	18175	0.003	<0.001	EPA502.2	0.001	10/31/91
2987	Tetrachloroethene	18175	0.003	<0.001	EPA502.2	0.001	10/31/91
2990	Benzene	18175	0.001	<0.001	EPA502.2	0.001	10/31/91

Comments:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 8 1991
PO Number: HOLD REPORT
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 22,23,24,25,27
Date Received: Oct31 1991 Lab Number : 18176

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18176
Ethylene dibromide	mg/L	0.000005	108	7.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	95.3	1.29	<0.001
Vinyl chloride	mg/L	0.001	116	.734	<0.001
1,1-dichloroethene	mg/L	0.001	116	.734	<0.001
1,2-dichloroethane	mg/L	0.001	102	1.62	<0.001
1,1,1-trichloroethan	mg/L	0.001	106	1.98	<0.001
Carbon tetrachloride	mg/L	0.001	105	1.62	<0.001
Trichloroethene	mg/L	0.001	98.5	.010	<0.001
Tetrachloroethene	mg/L	0.001	100	.048	<0.001
Benzene	mg/L	0.001	108	1.63	<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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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FLORIDA 32715-0597
(US: (407) 339-5984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3490247
Public Water System Name: DELTONA UTILITY
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS #3139
Parameter Group(s) Analyzi 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): 10-31-91
Laboratory Sample Number 18176
Sample Location (be specific): WELLS # 2, 29, 27, 3, 7
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
( )Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Randy Connell OPER 574-2121

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 11/7/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA 01 Sample Interpretation (check one):
Effective 06/01/8 ( ) 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	18176	.00002	<.000005	EPA504.1	.000005	11/7/91
2969	Para-dichlorobenzene	18176	.075	<0.001	EPA502.2	0.001	10/31/91
2976	Vinyl chloride	18176	0.001	<0.001	EPA502.2	0.001	10/31/91
2977	1,1-dichloroethene	18176	0.007	<0.001	EPA502.2	0.001	10/31/91
2980	1,2-dichloroethane	18176	0.003	<0.001	EPA502.2	0.001	10/31/91
2981	1,1,1-trichloroethane	18176	0.2	<0.001	EPA502.2	0.001	10/31/91
2982	Carbon tetrachloride	18176	0.003	<0.001	EPA502.2	0.001	10/31/91
2984	Trichloroethene	18176	0.003	<0.001	EPA502.2	0.001	10/31/91
2987	Tetrachloroethene	18176	0.003	<0.001	EPA502.2	0.001	10/31/91
2990	Benzene	18176	0.001	<0.001	EPA502.2	0.001	10/31/91

Comments:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Received From:
Deltona Util.
PO Box 5309
Deltona,FL 32728

Date Reported: Nov 8 1991
PO Number: HOLD REPORT
PO Number Deltona Util.
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: 28,32
Date Received: Oct31 1991 Lab Number : 18177

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18177
Ethylene dibromide	mg/L	0.000005	108	7.45	<0.000005
Para-dichlorobenzene	mg/L	0.001	95.3	1.29	<0.001
Vinyl chloride	mg/L	0.001	116	.734	<0.001
1,1-dichloroethene	mg/L	0.001	116	.734	<0.001
1,2-dichloroethane	mg/L	0.001	102	1.62	<0.001
1,1,1-trichloroethan	mg/L	0.001	106	1.98	<0.001
Carbon tetrachloride	mg/L	0.001	105	1.62	<0.001
Trichloroethene	mg/L	0.001	98.5	.010	<0.001
Tetrachloroethene	mg/L	0.001	100	.048	<0.001
Benzene	mg/L	0.001	108	1.63	<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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-6984
FAX: (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3640287
Public Water System Name: Okeana Utilities
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi 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): 10-31-91
Laboratory Sample Number 18177
Sample Location (be specific): Well #2
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
( )Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Buddy Crenshaw WTP 571-2181

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 11/7/91

Mail Results to the
Approonate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	18177	.00002	<.000005	EPA504.1	.000005	11/7/91
2969	Para-dichlorobenzene	18177	.075	<0.001	EPA502.2	0.001	10/31/91
2976	Vinyl chloride	18177	0.001	<0.001	EPA502.2	0.001	10/31/91
2977	1,1-dichloroethene	18177	0.007	<0.001	EPA502.2	0.001	10/31/91
2980	1,2-dichloroethane	18177	0.003	<0.001	EPA502.2	0.001	10/31/91
2981	1,1,1-trichloroethane	18177	0.2	<0.001	EPA502.2	0.001	10/31/91
2982	Carbon tetrachloride	18177	0.003	<0.001	EPA502.2	0.001	10/31/91
2984	Trichloroethene	18177	0.003	<0.001	EPA502.2	0.001	10/31/91
2987	Tetrachloroethene	18177	0.003	<0.001	EPA502.2	0.001	10/31/91
2990	Benzene	18177	0.001	<0.001	EPA502.2	0.001	10/31/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

880-0058
BARBA REEDER

$375.00

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

FDER Lab# EE3018
FDHRS Lab# 82126
NCDEHNR Lab# 256
SCDHEC Lab# 99019

(1)Client	(2)Address	(3)Phone
SSU DEITONA UTIL.	P.O. Box 5309 DEITONA Fla.	574-2181

(4)Public Drinking Water ID # 3640287 (5)Public Water System Name: DEITONA Utilities

(6)Project: # (8)Public Water System Type

(7)PO# WILL - CALL - (✓) Community ( ) Non-Community ( ) Special Non-Community

	Preservative		Plastic Containers						Glass Containers						NOTES:
	HNO3	ZnOAC/NaOH	60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L	(12)Turn Around Time: 10 Working Days: 5 Working Days : 3 Working Days : 1 Working Day : Other :
(16) 1010									X						

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

(10)Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic__; Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Pur...ble__; Unregulated Organic Pesticide__; Unregulated Base Neutral Extractable__; Unregulated Acid Extractable__

(18)Laboratory Number	(11)Client Sample Identification
	#1
	#2 Separate Sheet
✓ 18173	#3
✓ 18174	#4 2,3,4,6,8
✓ 18175	#5 9,12,14,15,16
✓ 18176	#6 17,18,19,20,21
✓ 18177	#7 22,23,24,25,27
	#8 28,32
	#9
	#10

(13)Collectors Signature: Randy Connell Date 10-31-91 Time 7:30 to 10

(14)Transporters Signature: Danny Grace 10/31/91 1:22

(15)Lab Acceptance By:

$1,140.00

75.9
15.7
600
250
500
4,000

7500
500
1,140.00

Over for numbered instructions

ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814 • (407) 896-6645

REPORT OF ANALYSIS

Deltona Utilities
P.O. Box 5309
Deltona, Fla. 32728

Attn: Rick Foster

Work Order # : 90-02-056
Date Received: 02/05/90
Date Reported: 02/19/90
OLI Contact: E_HOBBS

Work ID: Deltona
Total Samples: 5

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report	
01 Unit 21 Sagamore (Loretto)	501R	17-550 Trihalomethanes
02 Unit 30 Lombardy (Rockhill	504R	17-550 "EDB" Analysis
03 Unit 32 Courtland (Cabot)	504U	17-550 "DBCP" Analysis
04 Trip Blank	524R	DER 17-550 Regulated VOA's
05 Method Blank	524U	DER 17-550 Unregulated VOA
	531U	DER 17-550 Unreg Pest 531s
	608R	DER 17-550 Reg. Pest 608s
	608U	DER 17-550 Unreg Pest 608s
	615R	DER 17-550 Reg. Herb 615
	615U	DER 17-550 Unreg Pest 515s
	622U	DER 17-550 Unreg Pest 622s
	625U	DER 17-550 Unreg BNAs/Pest
	DERBCT	17-550 Total Coliform Bact
	DERPDM	17-550 Primary Metals Only
	DERPDW	17-550 Primary WetChem
	DERSDM	DER 17-5 Secondary Metals
	DERSDW	DER 17-5 Secondary Wet Chm
	G_A	Gross Alpha (water)
	TURB	Turbidity

Total Coliform: Set date 02/06/90 at 0900 hours
Read date 02/07/90 at 0900 hours

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: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID	Unit 21 Sagamore (Loretto)	SAMPLE #	01A,B,C,D
DATE COLLECTED	02/05/90 11:00:00	MATRIX	WATER

TURB	1.5	NTU

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME 17-550 Trihalomethanes

SAMPLE# 01A
MATRIX WATER
TEST CODE 501R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-501.2
TRIHALOMETHANE ANALYSIS
17-550.310(2)(C)
(PWSD27)

Parameter ID	Name	Analysis Result	Det. Lt.
2950	TTHM	48.0	1.0

ORLANDO LABORATORIES,INC. REPORT OF ANALYSIS Work Order # 90-02-056
Received: 02/05/90 Results by Sample

SAMPLE ID Unit 21 Sagamore (Loretto) SAMPLE# 01A
DATE COLLECTED 02/05/90 11:00:00 MATRIX WATER
TEST NAME 17-550 "EDB" Analysis TEST CODE 504R

SAMPLE TYPE WATER DATE EXTRACTED 02/05/90
UNITS ug/l DATE RUN 02/12/90
ANALYST JAB DILUTION FACTOR 50
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
(PWS028)

Parameter ID	Name	Analysis Result	Det. Lt.
2946	Ethylene dibromide	1.0 U	1.00

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME 17-550 "DBCP" Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE 504U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST JAB

DATE EXTRACTED 02/05/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2931	1,2-dibromo-3-chloro propane	0.02	U	0.02

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-550 Regulated VOA's

SAMPLE# 01A
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2959	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-550 Unregulated VOA

SAMPLE# 01A
MATRIX WATER
TEST CODE 524U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2210	Chloromethane	0.5	U	0.5
2212	Dichlorodifluoromethane	0.5	U	0.5
2214	Bromomethane	0.5	U	0.5
2216	Chloroethane	0.5	U	0.5
2218	Trichlorofluoromethane	0.5	U	0.5
2224	trans-1,3-Dichloro propene	0.5	U	0.5
2228	cis-1,3-Dichloropropene	0.5	U	0.5
2251	Methyl tert-butyl-ether	0.5	U	0.5
2380	cis-1,2-Dichloroethene	0.5	U	0.5
2408	Dibromomethane	0.5	U	0.5
2410	1,1-Dichloropropene	0.5	U	0.5
2412	1,3-Dichloropropane	0.5	U	0.5
2414	1,2,3-Trichloropropane	0.5	U	0.5
2416	2,2-Dichloropropane	0.5	U	0.5
2941	Chloroform	2.0		0.5
2942	Bromoform	24.0		0.5
2943	Bromodichloromethane	6.0		0.5
2944	Dibromochloromethane	16.0		0.5
2962	para-Xylene	0.5	U	0.5
2964	Methylene Chloride	0.5	U	0.5
2965	o-Chlorotoluene	0.5	U	0.5
2966	p-Chlorotoluene	0.5	U	0.5
2967	meta-Dichlorobenzene	0.5	U	0.5
2968	Ortho-Dichlorobenzene	0.5	U	0.5
2978	1,1-Dichloroethane	0.5	U	0.5
2979	trans-1,2-Dichloroethene	0.5	U	0.5
2983	1,2-Dichloropropane	0.5	U	0.5
2985	1,1,2-Trichloroethane	0.5	U	0.5
2986	1,1,1,2-Tetrachloro ethane	0.5	U	0.5
2988	1,1,2,2-Tetrachloro ethane	0.5	U	0.5
2989	Chlorobenzene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056
Continued From Above

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-550 Unregulated VOA

SAMPLE# 01A
MATRIX WATER
TEST CODE 524U

2991	Toluene	0.5	U	0.5
2992	Ethylbenzene	0.5	U	0.5
2993	Bromobenzene	0.5	U	0.5
2995	meta-Xylene	0.5	U	0.5
2996	Styrene	0.5	U	0.5
2997	ortho Xylene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-550 Unreg Pest 531s

SAMPLE# 01A
MATRIX WATER
TEST CODE 531U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHW

DATE EXTRACTED NA
DATE RUN 02/06/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-531
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2036	Oxamyl (Vydate)	2.0	U	2.0
2043	Aldicarb Sulfoxide	2.0	U	2.0
2044	Aldicarb Sulfone	2.0	U	2.0
2046	Carbofuran	1.5	U	1.5
2047	Aldicarb	1.0	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-550 Reg. Pest 608s

SAMPLE# 01A
MATRIX WATER
TEST CODE 608R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
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	0.10	U	0.10
2010	Lindane	0.05	U	0.05
2015	Methoxychlor	0.50	U	0.50
2020	Toxaphene	1.00	U	1.00

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (L oretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-550 Unreg Pest 608s

SAMPLE# 01A
MATRIX WATER
TEST CODE 608U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2065	Heptachlor	0.05	U	0.05
2356	Aldrin	0.05	U	0.05
2364	Dieldrin	0.10	U	0.10
2959	Chlordane	0.50	U	0.50

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

Parameter ID	Name	Analysis Result		Det. Lt.
2388	PCB-1016	0.50	U	0.5
2390	PCB-1221	0.50	U	0.5
2392	PCB-1232	0.50	U	0.5
2394	PCB-1242	0.50	U	0.5
2396	PCB-1248	0.50	U	0.5
2398	PCB-1254	1.00	U	1.0
2400	PCB-1260	1.00	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-550 Reg. Herb 615

SAMPLE# 01A
MATRIX WATER
TEST CODE 615R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/06/90
DATE RUN 02/09/90
DILUTION FACTOR 5
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2)(b)
(PWS029)

Parameter ID	Name	Analysis Result		Det. Lt.
2105	2,4-D	10	U	10
2110	2,4,5-TP (Silvex)	5	U	5

ORLANDO LABORATORIES,INC. REPORT OF ANALYSIS Work Order # 90-02-056
Received: 02/05/90 Results by Sample

SAMPLE ID Unit 21 Sagamore (Loretto) SAMPLE# 01A
DATE COLLECTED 02/05/90 11:00:00 MATRIX WATER
TEST NAME DER 17-550 Unreg Pest 515s TEST CODE 515U

DATE EXTRACTED 02/06/90
SAMPLE TYPE WATER DATE RUN 02/09/90
UNITS ug/l DILUTION FACTOR 5
ANALYST RAB % MOISTURE NA

METHOD EPA-515.1
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2031	Dalapon	5 U	5
2040	Picloram	5 U	5
2041	Dinoseb	10 U	10.
2440	Dicamba	10 U	10

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (L ,retto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-550 Unreg Pest 622s

SAMPLE# 01A
MATRIX WATER
TEST CODE 622U

SAMPLE TYPE WATER
UNITS mg/l
ANALYST JHW

DATE EXTRACTED 02/07/90
DATE RUN 02/08/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-622
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2037	Simazine	0.5 U	0.5
2045	Metolachlor	0.5 U	0.5
2050	Atrazine	0.5 U	0.5
2051	Alachlor (Lasso)	0.5 U	0.5

ORLANDO LABORATORIES,INC. REPORT OF ANALYSIS Work Order # 90-02-056
Received: 02/05/90 Results by Sample

SAMPLE ID Unit 21 Sagamore (Loretto) SAMPLE# 01A
DATE COLLECTED 02/05/90 11:00:00 MATRIX WATER
TEST NAME DER 17-550 Unreg BNAs/Pest TEST CODE 625U

SAMPLE TYPE WATER DATE EXTRACTED 2/6/90
UNITS ug/l DATE RUN 2/8/90
ANALYST EJP DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-625
UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID	Name	Analysis Result		Det. Lt.
2262	Isophorone	10	U	10
2378	1,2,4-Trichlorobenzene	10	U	10
2042	Hexachlorocyclo pentadiene	10	U	10
2282	Dimethylphthalate	10	U	10
2270	2,4-Dinitrotoluene	10	U	10
2284	Diethylphthalate	10	U	10
2290	Di-n-butyl phthalate	10	U	10
2294	Butyl Benzyl Phthalate	10	U	10
2298	Bis(2-Ethylhexyl) phthalate	10	U	10
9089	Dioctylphthalate	10	U	10
2063	2,3,7,8-TCDD (Dioxin)	1000	U	1000

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

Parameter ID	Name	Analysis Result		Det. Lt.
9108	2-Chlorophenol	10	U	10
9112	2-Methyl-4,6-Dinitro phenol	50	U	50
9115	Phenol	10	U	10
9116	2,4,6-Trichlorophenol	10	U	10

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2326	Pentachlorophenol	50	U	50

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME 17-550 Total Coliform Bact

SAMPLE# 01D
MATRIX WATER
TEST CODE OERBCT

MICROBIOLOGICAL ANALYSIS
17-550.640

Parameter ID	Name	Analysis Result(Cfu's/100ml)	Analytical Method
3000	Total Coliform	<1/L	EPA Part III B

Date Set Up: 02/06/90
Date Read : 02/07/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME 17-550 Primary Metals Only

SAMPLE# 018
MATRIX WATER
TEST CODE DERPDM

(METALS)
INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1005	Arsenic	<0.010	EPA206.2	0.010	02/08/90
1010	Barium	<0.100	EPA200.7	0.100	02/09/90
1015	Cadmium	<0.005	EPA213.2	0.005	02/11/90
1020	Chromium	<0.010	EPA218.2	0.010	02/09/90
1030	Lead	<0.010	EPA239.2	0.010	02/08/90
1035	Mercury	<0.0005	EPA245.1	0.0005	02/11/90
1045	Selenium	<0.005	EPA270.2	0.005	02/11/90
1050	Silver	<0.010	EPA272.2	0.010	02/09/90
1052	Sodium	68.0	EPA200.7	0.001	02/09/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (L ɹetto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME 17-550 Primary WetChem

SAMPLE# 018
MATRIX WATER
TEST CODE DERPDW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1025	Fluoride	<0.1	EPA340.2	0.1	02/13/90
1040	Nitrate (as N)	0.07	EPA353.2	0.03	02/14/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-5 Secondary Metals

SAMPLE# 01C
MATRIX WATER
TEST CODE DERSDM

(METALS)
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PW3031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1022	Copper	<0.010	EPA200.7	0.010	02/08/90
1028	Iron	0.170	EPA200.7	0.1	02/09/90
1032	Manganese	<0.050	EPA200.7	0.050	02/09/90
1095	Zinc	<0.050	EPA200.7	0.050	02/09/90
1919	Calcium Hardness	128	EPA200.7	2.5	02/09/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME DER 17-5 Secondary Wet Chm

SAMPLE# 01C
MATRIX WATER
TEST CODE DERSDW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1017	Chloride	130	SM 407	1.0	02/12/90
1025	Fluoride	<0.1	EPA340.2	0.1	02/13/90
1055	Sulfate	14	EPA375.4	1.0	02/07/90
1901	Carbon Dioxide	3.0	SM 406 C	1.0	02/15/90
1905	Color	<5	SM 204 A	5PCU	02/07/90
1920	Odor Threshold	1	EPA140.1	1TON	02/07/90
1927	Total Alkalinity	150	EPA310.1	2.0	02/07/90
1930	Total Dissolved Solids	290	EPA160.1	1.0	02/12/90
1931	Phenolphthalein Alk	<2.0	EPA310.1	2.0	02/07/90
1997	Langelier Index pHs	7.33	CALC.	N/A	02/15/90
1998	Saturation Index	0.43	CALC.	N/A	02/15/90
2909	Foaming Agents	<0.1	EPA425.1	0.1	02/07/90

VERIFIED BY DTA

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 21 Sagamore (Loretto)
DATE COLLECTED 02/05/90 11:00:00
TEST NAME Gross Alpha (Water)

SAMPLE# 010
MATRIX WATER
TEST CODE G_A

Code	Element	RESULT	DET_LIMIT
G_A	Gross Alpha	<0.5	0.5
Ctn_Err	Counting Error	4.4	0.4

UNITS pCi/l

ANALYST JAB

ORLANDO LABORATORIES,INC. REPORT OF ANALYSIS Work Order # 90-02-056
Received: 02/05/90 Results by Sample

SAMPLE ID	Unit 30 Lombardy Rockhill	SAMPLE #	02A,B,C,D
DATE COLLECTED	02/05/90 10:00:00	MATRIX	WATER

TURB	17	NTU

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME 17-550 Trihalomethanes

SAMPLE# 02A
MATRIX WATER
TEST CODE 501R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-501.2
TRIHALOMETHANE ANALYSIS
17-550.310(2)(C)
(PWS027)

Parameter ID	Name	Analysis Result	Det. Lt.
2950	TTHM	77.0	1.0

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 02/05/90
DATE RUN 02/12/90
DILUTION FACTOR 50
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2946	Ethylene dibromide	1.0	U	1.00

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME 17-550 "OBCP" Analysis

SAMPLE# 02A
MATRIX WATER
TEST CODE 5041J

SAMPLE TYPE WATER
UNITS UG/L
ANALYST JAB

DATE EXTRACTED 02/05/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result	Det. Lt.
2931	1,2-dibromo-3-chloro propane	0.02 U	0.02

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill)
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-550 Regulated VOA's

SAMPLE# 02A
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2969	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill)
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-550 Unregulated VOA

SAMPLE# 02A
MATRIX WATER
TEST CODE 524U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2210	Chloromethane	0.5	U	0.5
2212	Dichlorodifluoromethane	0.5	U	0.5
2214	Bromomethane	0.5	U	0.5
2216	Chloroethane	0.5	U	0.5
2218	Trichlorofluoromethane	0.5	U	0.5
2224	trans-1,3-Dichloro propene	0.5	U	0.5
2228	cis-1,3-Dichloropropene	0.5	U	0.5
2251	Methyl tert-butyl-ether	0.5	U	0.5
2380	cis-1,2-Dichloroethene	0.5	U	0.5
2408	Dibromomethane	0.5	U	0.5
2410	1,1-Dichloropropene	0.5	U	0.5
2412	1,3-Dichloropropane	0.5	U	0.5
2414	1,2,3-Trichloropropane	0.5	U	0.5
2416	2,2-Dichloropropane	0.5	U	0.5
2941	Chloroform	1.0		0.5
2942	Bromoform	57.0		0.5
2943	Bromodichloromethane	5.0		0.5
2944	Dibromochloromethane	14.0		0.5
2962	para-Xylene	0.5	U	0.5
2964	Methylene Chloride	0.5	U	0.5
2965	o-Chlorotoluene	0.5	U	0.5
2966	p-Chlorotoluene	0.5	U	0.5
2967	meta-Dichlorobenzene	0.5	U	0.5
2968	Ortho-Dichlorobenzene	0.5	U	0.5
2978	1,1-Dichloroethane	0.5	U	0.5
2979	trans-1,2-Dichloroethene	0.5	U	0.5
2983	1,2-Dichloropropane	0.5	U	0.5
2985	1,1,2-Trichloroethane	0.5	U	0.5
2986	1.1.1,2-Tetrachloro ethane	0.5	U	0.5
2988	1,1,2,2-Tetrachloro ethane	0.5	U	0.5
2989	Chlorobenzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland ((abot)
DATE COLLECTED 02/05/90 11:30:00
TEST.NAME DER 17-550 Req. Pest 608s

SAMPLE# 03A
MATRIX WATER
TEST CODE 608R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
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	0.10	U	0.10
2010	Lindane	0.05	U	0.05
2015	Methoxychlor	0.50	U	0.50
2020	Toxaphene	1.00	U	1.00

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 3C Courtland (Jabot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME DER 17-550 Unreg Pest 608s

SAMPLE# 03A
MATRIX WATER
TEST CODE 608U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2065	Heptachlor	0.05	U	0.05
2356	Aldrin	0.05	U	0.05
2364	Dieldrin	0.10	U	0.10
2959	Chlordane	0.50	U	0.50

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

Parameter ID	Name	Analysis Result		Det. Lt.
2388	PCB-1016	0.50	U	0.5
2390	PCB-1221	0.50	U	0.5
2392	PCB-1232	0.50	U	0.5
2394	PCB-1242	0.50	U	0.5
2396	PCB-1248	0.50	U	0.5
2398	PCB-1254	1.00	U	1.0
2400	PCB-1260	1.00	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Cabot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME DER 17-550 Reg. Herb 615

SAMPLE# 03A
MATRIX WATER
TEST CODE 615R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/06/90
DATE RUN 02/09/90
DILUTION FACTOR 5
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2)(b)
(PWS029)

Parameter ID	Name	Analysis Result		Det. Lt.
2105	2,4-D	10	U	10
2110	2,4,5-TP (Silvex)	5	U	5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Cabot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME DER 17-550 Unreg Pest 515s

SAMPLE# 03A
MATRIX WATER
TEST CODE 615U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/06/90
DATE RUN 02/09/90
DILUTION FACTOR 5
% MOISTURE NA

METHOD EPA-515.1
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2031	Dalapon	5 U	5
2040	Picloram	5 U	5
2041	Dinoseb	10 U	10
2440	Dicamba	10 U	10

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Labot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME OER 17-550 Unreg Pest 622s

SAMPLE# USA
MATRIX WATER
TEST CODE 622U

SAMPLE TYPE WATER
UNITS mg/l
ANALYST JHM

DATE EXTRACTED 02/07/90
DATE RUN 02/08/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-622
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2037	Simazine	0.5	U	0.5
2045	Metolachlor	0.5	U	0.5
2050	Atrazine	0.5	U	0.5
2051	Alachlor (Lasso)	0.5	U	0.5

ORLANDO LABORATORIES,INC. REPORT OF ANALYSIS Work Order # 90-02-056
Received: 02/05/90 Results by Sample

SAMPLE ID Unit 32 Courtland (Cabot) SAMPLE# 03A
DATE COLLECTED 02/05/90 11:30:00 MATRIX WATER
TEST NAME DER 17-550 Unreg BNAs/Pest TEST CODE 625U

SAMPLE TYPE WATER DATE EXTRACTED 2/6/90
UNITS ug/l DATE RUN 2/8/90
ANALYST EJP DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-625
UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID	Name	Analysis Result	Det. Lt.
2262	Isophorone	10 U	10
2378	1,2,4-Trichlorobenzene	10 U	10
2042	Hexachlorocyclo pentadiene	10 U	10
2282	Dimethylphthalate	10 U	10
2270	2,4-Dinitrotoluene	10 U	10
2284	Diethylphthalate	10 U	10
2290	Di-n-butyl phthalate	10 U	10
2294	Butyl Benzyl Phthalate	10 U	10
2298	Bis(2-Ethylhexyl) phthalate	10 U	10
9089	Dioctylphthalate	10 U	10
2063	2,3,7,8-TCDD (Dioxin)	1000 U	1000

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

Parameter ID	Name	Analysis Result	Det. Lt.
9108	2-Chlorophenol	10 U	10
9112	2-Methyl-4,6-Dinitro phenol	50 U	50
9115	Phenol	10 U	10
9116	2,4,6-Trichlorophenol	10 U	10

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2326	Pentachlorophenol	50 U	50

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland Cabot)
DATE COLLECTED 02/05/90 11:30:00
TEST.NAME 17-550 Total Coliform Bact

SAMPLE# U3U
MATRIX WATER
TEST CODE DERBCT

MICROBIOLOGICAL ANALYSIS
17-550.640

Parameter ID	Name	Analysis Result(Cfu's/100ml)	Analytical Method
3000	Total Coliform	<1/L	EPA Part III B

Date Set Up: 02/06/90
Date Read : 02/07/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Labot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME 17-550 Primary Metals Only

SAMPLE# 03B
MATRIX WATER
TEST CODE DERPOM

(METALS)
INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1005	Arsenic	<0.010	EPA206.2	0.010	02/08/90
1010	Barium	<0.100	EPA200.7	0.100	02/09/90
1015	Cadmium	<0.005	EPA213.2	0.005	02/11/90
1020	Chromium	<0.010	EPA218.2	0.010	02/09/90
1030	Lead	<0.010	EPA239.2	0.010	02/08/90
1035	Mercury	<0.0005	EPA245.1	0.0005	02/11/90
1045	Selenium	<0.005	EPA270.2	0.005	02/11/90
1050	Silver	<0.010	EPA272.2	0.010	02/09/90
1052	Sodium	8.65	EPA200.7	0.001	02/09/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Cabot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME 17-550 Primary WetChem

SAMPLE# 03B
MATRIX WATER
TEST CODE DERPOW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1025	Fluoride	0.16	EPA340.2	0.1	02/13/90
1040	Nitrate (as N)	0.05	EPA353.2	0.03	02/13/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Cabot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME DER 17-5 Secondary Metals

SAMPLE# 03C
MATRIX WATER
TEST CODE DERSDM

(METALS)
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1022	Copper	<0.010	EPA200.7	0.010	02/08/90
1028	Iron	0.115	EPA200.7	0.1	02/09/90
1032	Manganese	<0.050	EPA200.7	0.050	02/09/90
1095	Zinc	<0.050	EPA200.7	0.050	02/09/90
1919	Calcium Hardness	141	EPA200.7	2.5	02/09/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Cabot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME DER 17-5 Secondary Wet Chm

SAMPLE# 03C
MATRIX WATER
TEST CODE DERSDW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1017	Chloride	8.9	SM 407	1.0	02/12/90
1025	Fluoride	0.16	EPA340.2	0.1	02/13/90
1055	Sulfate	2.2	EPA375.4	1.0	02/07/90
1901	Carbon Dioxide	3.0	SM 406 C	1.0	02/15/90
1905	Color	5	SM 204 A	5PCU	02/07/90
1920	Odor Threshold	1	EPA140.1	1TON	02/07/90
1927	Total Alkalinity	150	EPA310.1	2.0	02/07/90
1930	Total Dissolved Solids	170	EPA160.1	1.0	02/12/90
1931	Phenolphthalein Alk	<2.0	EPA310.1	2.0	02/07/90
1997	Langelier Index pHs	7.50	CALC.	N/A	02/15/90
1998	Saturation Index	0.50	CALC.	N/A	02/15/90
2909	Foaming Agents	0.11	EPA425.1	0.1	02/07/90

VERIFIED BY DTA

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (C bot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME Gross Alpha (water)

SAMPLE# 03D
MATRIX WATER
TEST CODE G_A

Code	Element	RESULT	DET_LIMIT
G_A	Gross Alpha	1.2	0.5
Ctn_Err	Counting Error	1.4	0.4

UNITS pCi/l

ANALYST JAB

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME 17-550 Trihalomethanes

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 501R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-501.2
TRIHALOMETHANE ANALYSIS
17-550.310(2)(C)
(PWS027)

Parameter ID	Name	Analysis Result	Det. Lt.
2950	TTHM	1.0 U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 02/05/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2946	Ethylene dibromide	0.02	U	0.02

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME 17-550 "DBCP" Analysis

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 504U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST JAB

DATE EXTRACTED 02/05/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result	Det. Lt.
2931	1,2-dibromo-3-chloro propane	0.02 U	0.02

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Regulated VOA's

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2969	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME OER 17-550 Unregulated VOA

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 524U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2210	Chloromethane	0.5	U	0.5
2212	Dichlorodifluoromethane	0.5	U	0.5
2214	Bromomethane	0.5	U	0.5
2216	Chloroethane	0.5	U	0.5
2218	Trichlorofluoromethane	0.5	U	0.5
2224	trans-1,3-Dichloro propene	0.5	U	0.5
2228	cis-1,3-Dichloropropene	0.5	U	0.5
2251	Methyl tert-butyl-ether	0.5	U	0.5
2380	cis-1,2-Dichloroethene	0.5	U	0.5
2408	Dibromomethane	0.5	U	0.5
2410	1,1-Dichloropropene	0.5	U	0.5
2412	1,3-Dichloropropane	0.5	U	0.5
2414	1,2,3-Trichloropropane	0.5	U	0.5
2416	2,2-Dichloropropane	0.5	U	0.5
2941	Chloroform	0.5	U	0.5
2942	Bromoform	0.5	U	0.5
2943	Bromodichloromethane	0.5	U	0.5
2944	Dibromochloromethane	0.5	U	0.5
2962	para-Xylene	0.5	U	0.5
2964	Methylene Chloride	0.5	U	0.5
2965	o-Chlorotoluene	0.5	U	0.5
2966	p-Chlorotoluene	0.5	U	0.5
2967	meta-Dichlorobenzene	0.5	U	0.5
2968	Ortho-Dichlorobenzene	0.5	U	0.5
2978	1,1-Dichloroethane	0.5	U	0.5
2979	trans-1,2-Dichloroethene	0.5	U	0.5
2983	1,2-Dichloropropane	0.5	U	0.5
2985	1,1,2-Trichloroethane	0.5	U	0.5
2986	1,1,1,2-Tetrachloro ethane	0.5	U	0.5
2988	1,1,2,2-Tetrachloro ethane	0.5	U	0.5
2989	Chlorobenzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056
Continued From Above

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unregulated VOA

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 524U

2991	Toluene	0.5	U	0.5
2992	Ethylbenzene	0.5	U	0.5
2993	Bromobenzene	0.5	U	0.5
2995	meta-Xylene	0.5	U	0.5
2996	Styrene	0.5	U	0.5
2997	ortho Xylene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unreg Pest 531s

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 531U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHW

DATE EXTRACTED NA
DATE RUN 02/06/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-531
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2036	Oxamyl (Vydate)	2.0	U	2.0
2043	Aldicarb Sulfoxide	2.0	U	2.0
2044	Aldicarb Sulfone	2.0	U	2.0
2046	Carbofuran	1.5	U	1.5
2047	Aldicarb	1.0	U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Reg. Pest 608s

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 608R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
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	0.10	U	0.10
2010	Lindane	0.05	U	0.05
2015	Methoxychlor	0.50	U	0.50
2020	Toxaphene	1.00	U	1.00

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unreg Pest 608s

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 608U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2065	Heptachlor	0.05 U	0.05
2356	Aldrin	0.05 U	0.05
2364	Dieldrin	0.10 U	0.10
2959	Chlordane	0.50 U	0.50

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

Parameter ID	Name	Analysis Result	Det. Lt.
2388	PCB-1016	0.50 U	0.5
2390	PCB-1221	0.50 U	0.5
2392	PCB-1232	0.50 U	0.5
2394	PCB-1242	0.50 U	0.5
2396	PCB-1248	0.50 U	0.5
2398	PCB-1254	1.00 U	1.0
2400	PCB-1260	1.00 U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Reg. Herb 615

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 615R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/06/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2)(b)
(PWS029)

Parameter ID	Name	Analysis Result		Det. Lt.
2105	2,4-D	2.0	U	2
2110	2,4,5-TP (Silvex)	1.0	U	1

ORLANOD LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unreg Pest 515s

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 615U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/06/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-515.1
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2031	Dalapon	1.0 U	1
2040	Picloram	1.0 U	1
2041	Dinoseb	2.0 U	2
2440	Dicamba	2.0 U	2

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME OER 17-550 Unreg Pest 622s

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 622U

SAMPLE TYPE WATER
UNITS mg/l
ANALYST JHW

DATE EXTRACTED 02/07/90
DATE RUN 02/08/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-622
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2037	Simazine	0.5	U	0.5
2045	Metolachlor	0.5	U	0.5
2050	Atrazine	0.5	U	0.5
2051	Alachlor (Lasso)	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME DER 17-550 Unreg BNAs/Pest

SAMPLE# 05A
MATRIX METHOD BLANK
TEST CODE 625U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED 2/6/90
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-625
UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID	Name	Analysis Result	Det. Lt.
2262	Isophorone	10 U	10
2378	1,2,4-Trichlorobenzene	10 U	10
2042	Hexachlorocyclo pentadiene	10 U	10
2282	Dimethylphthalate	10 U	10
2270	2,4-Dinitrotoluene	10 U	10
2284	Diethylphthalate	10 U	10
2290	Di-n-butyl phthalate	10 U	10
2294	Butyl Benzyl Phthalate	10 U	10
2298	Bis(2-Ethylhexyl) phthalate	10 U	10
9089	Dioctylphthalate	10 U	10
2063	2,3,7,8-TCDD (Dioxin)	1000 U	1000

UNREGULATED ACID EXTRACTABLE ANALYSIS
17-550.41D(4)
(PWS037)

Parameter ID	Name	Analysis Result	Det. Lt.
9108	2-Chlorophenol	10 U	10
9112	2-Methyl-4,6-Dinitro phenol	50 U	50
9115	Phenol	10 U	10
9116	2,4,6-Trichlorophenol	10 U	10

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2326	Pentachlorophenol	50 U	50

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
NonReported Work

Work Order # 90-02-056

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

04A : NOTEST

Deltona Utilities
Attn: Rick Foster

Report No: 90-02-056
Page No: 76

QUALITY CONTROL DATA SHEET

PARAMETER	DUPLICATES % DIFFERENCE	SPIKES % RECOVERY	DATE	ANALYST
Gross Alpha	0.1	99	02/15/90	JAB
Arsenic	5	90	02/08/90	CFG
Copper	<1	106	02/08/90	CFG/CJP
Lead	<1	101	02/08/90	JC
Silver	1	92	02/09/90	CJP
Chromium	2	98	02/09/90	CJP
Cadmium	4	100	02/11/90	CJP
Selenium	3	100	02/11/90	CJP
Mercury	5	99	02/11/90	EM
Barium	<1	106	02/09/90	BB
Sodium	2	97	02/09/90	BB
Iron	2	90	02/09/90	BB
Manganese	<1	107	02/09/90	BB
Zinc	<1	105	02/09/90	BB
Calcium	1	103	02/09/90	BB
Nitrogen, Nitrite	<1	100	02/07/90	DR
Turbidity	<1	N/A	02/07/90	DB
Color	<1	N/A	02/07/90	DB
Odor	<1	N/A	02/07/90	DB
MBAS	<1	94	02/07/90	DB
pH	<1	N/A	02/07/90	DB
Total Alkalinity	4	83	02/07/90	DB
Sulfate	<1	93	02/07/90	DA
Chloride	5	105/110	02/12/90	DA
TDS	2	96/94	02/12/90	DB
Fluoride	2	107/103	02/13/90	DA
Nitrogen, Nitrate	<1	99	02/14/90	DR

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

ORLANDO LABORATORIES INC.

GC/MS SEMI-VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-10-1990

LAB SAMPLE # : 9002056-1
ANALYSIS DATE : 2/9/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
phenol	200	0	118	59	129	65	9
2-chlorophenol	200	0	159	80	157	79	1
4-chloro-3-methylphenol	200	0	195	98 *	210	105 *	7
4-nitrophenol	200	0	145	73	180	90	22
pentachlorophenol	200	0	191	96	197	99	3
1,4-dichlorobenzene	100	0	79	79	77	77	3
n-nitroso-di-n-propylamine	100	0	65	65	67	67	3
1,2,4-trichlorobenzene	100	0	82	82	77	77	6
acenaphthene	100	0	119	119 *	117	117	2
2,4-dinitrotoluene	100	0	125	125 *	133	133 *	6
pyrene	100	0	126	126	63	63	67 *

COMMENTS : * = parameter outside QC limits.

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/MS VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-10-1990

LAB SAMPLE # : 9002060-7
ANALYSIS DATE : 2/8/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
1,1-dichloroethene	50	0	51	102	49	98	4
trichloroethene	50	0	51	102	49	98	4
benzene	50	0	50	100	50	100	0
toluene	50	0	54	108	46	92	16 *
chlorobenzene	50	0	53	106	47	94	12

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 : 02-06-1990

LAB SAMPLE # : 900205c-02A
ANALYSIS DATE : 02/06/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
ALDICARB	100	0	122	122	95	95	7

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
ALDICARB	77	127	20	72	132	24

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 02-12-1990

LAB SAMPLE # : 9002056-03A
ANALYSIS DATE : 02/08/90

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
diazinon	100	0	76	76	75	75	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
diazinon	67	147	18	38	174	24

Note: There are no QA spike recoveries for tests 608R, 608U, 504R, 504U, 615R & 615U because of matrix interference.

End of Report

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056
Continued From Above

SAMPLE ID Unit 30 Lombardy (Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-550 Unregulated VOA

SAMPLE# 02A
MATRIX WATER
TEST CODE 524U

2991	Toluene	0.5	U	0.5
2992	Ethylbenzene	0.5	U	0.5
2993	Bromobenzene	0.5	U	0.5
2995	meta-Xylene	0.5	U	0.5
2996	Styrene	0.5	U	0.5
2997	ortho Xylene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-550 Unreg Pest 531s

SAMPLE# 02A
MATRIX WATER
TEST CODE 531U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHW

DATE EXTRACTED NA
DATE RUN 02/06/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-531
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2036	Oxamyl (Vydate)	2.0 U	2.0
2043	Aldicarb Sulfoxide	2.0 U	2.0
2044	Aldicarb Sulfone	2.0 U	2.0
2046	Carbofuran	1.5 U	1.5
2047	Aldicarb	1.0 U	1.0

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Lockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-550 Reg. Pest 608s

SAMPLE# 02A
MATRIX WATER
TEST CODE 608R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
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	0.10	U	0.10
2010	Lindane	0.05	U	0.05
2015	Methoxychlor	0.50	U	0.50
2020	Toxaphene	1.00	U	1.00

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Lockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-550 Unreg Pest 608s

SAMPLE# 02A
MATRIX WATER
TEST CODE 608U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/07/90
DATE RUN 02/12/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-608
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2065	Heptachlor	0.05	U	0.05
2356	Aldrin	0.05	U	0.05
2364	Dieldrin	0.10	U	0.10
2959	Chlordane	0.50	U	0.50

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

Parameter ID	Name	Analysis Result		Det. Lt.
2388	PCB-1016	0.50	U	0.5
2390	PCB-1221	0.50	U	0.5
2392	PCB-1232	0.50	U	0.5
2394	PCB-1242	0.50	U	0.5
2396	PCB-1248	0.50	U	0.5
2398	PCB-1254	1.00	U	1.0
2400	PCB-1260	1.00	U	1.0

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-550 Reg. Herb 615

SAMPLE# 02A
MATRIX WATER
TEST CODE 615R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/06/90
DATE RUN 02/09/90
DILUTION FACTOR 5
% MOISTURE NA

METHOD EPA-615
ORGANIC CHEMICAL ANALYSIS
17-550.310(2)(b)
(PWS029)

Parameter ID	Name	Analysis Result		Det. Lt.
2105	2,4-D	10	U	10
2110	2,4,5-TP (Silvex)	5	U	5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Lockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-550 Unreg Pest 515s

SAMPLE# 02A
MATRIX WATER
TEST CODE 615U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RAB

DATE EXTRACTED 02/06/90
DATE RUN 02/09/90
DILUTION FACTOR 5
% MOISTURE NA

METHOD EPA-515.1
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2031	Dalapon	5 U	5
2040	Picloram	5 U	5
2041	Dinoseb	10 U	10
2440	Dicamba	10 U	10

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST.NAME DER 17-550 Unreg Pest 622s

SAMPLE# 02A
MATRIX WATER
TEST CODE 622U

SAMPLE TYPE WATER
UNITS mg/l
ANALYST JHW

DATE EXTRACTED 02/07/90
DATE RUN 02/08/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-622
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2037	Simazine	0.5	U	0.5
2045	Metolachlor	0.5	U	0.5
2050	Atrazine	0.5	U	0.5
2051	Alachlor (Lasso)	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy Clockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME OER 17-550 Unreg BNAs/Pest

SAMPLE# 02A
MATRIX WATER
TEST CODE 625U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED 2/6/90
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-625
UNREGULATED BASE NEUTRAL EXTRACTABLE ANALYSIS
17-550.410(3)
(PWS036)

Parameter ID	Name	Analysis Result	Det. Lt.
2262	Isophorone	10 U	10
2376	1,2,4-Trichlorobenzene	10 U	10
2042	Hexachlorocyclo pentadiene	10 U	10
2282	Dimethylphthalate	10 U	10
2270	2,4-Dinitrotoluene	10 U	10
2284	Diethylphthalate	10 U	10
2290	Di-n-butyl phthalate	10 U	10
2294	Butyl Benzyl Phthalate	10 U	10
2298	Bis(2-Ethylhexyl) phthalate	10 U	10
9089	Dioctylphthalate	10 U	10
2063	2,3,7,8-TCDD (Dioxin)	1000 U	1000

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

Parameter ID	Name	Analysis Result	Det. Lt.
9108	2-Chlorophenol	10 U	10
9112	2-Methyl-4,6-Dinitro phenol	50 U	50
9115	Phenol	10 U	10
9116	2,4,6-Trichlorophenol	10 U	10

UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result	Det. Lt.
2326	Pentachlorophenol	50 U	50

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME 17-550 Total Coliform Bact

SAMPLE# 02D
MATRIX WATER
TEST CODE DERBCT

MICROBIOLOGICAL ANALYSIS
17-550.640

Parameter ID	Name	Analysis Result(Cfu's/100ml)	Analytical Method
3000	Total Coliform	<1/L	EPA Part III B

Date Set Up: 02/06/90
Date Read : 02/07/90

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME 17-550 Primary Metals Only

SAMPLE# 02B
MATRIX WATER
TEST CODE OERPDM

(METALS)
INORGANIC ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1005	Arsenic	<0.010	EPA206.2	0.010	02/08/90
1010	Barium	<0.100	EPA200.7	0.100	02/09/90
1015	Cadmium	<0.005	EPA213.2	0.005	02/11/90
1020	Chromium	<0.010	EPA218.2	0.010	02/09/90
1030	Lead	<0.010	EPA239.2	0.010	02/08/90
1035	Mercury	<0.0005	EPA245.1	0.0005	02/11/90
1045	Selenium	<0.005	EPA270.2	0.005	02/11/90
1050	Silver	<0.010	EPA272.2	0.010	02/09/90
1052	Sodium	160	EPA200.7	0.001	02/09/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Lockhill)
DATE COLLECTED 02/05/90 10:00:00
TEST NAME 17-550 Primary WetChem

SAMPLE# 02B
MATRIX WATER
TEST CODE DERPOW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.310(1)
(PWS030)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1025	Fluoride	<0.1	EPA340.2	0.1	02/13/90
1040	Nitrate (as N)	0.05	EPA353.2	0.03	02/13/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Lockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-5 Secondary Metals

SAMPLE# 02C
MATRIX WATER
TEST CODE DERSDM

(METALS)
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1022	Copper	<0.010	EPA200.7	0.010	02/08/90
1028	Iron	0.789	EPA200.7	0.1	02/09/90
1032	Manganese	<0.050	EPA200.7	0.050	02/09/90
1095	Zinc	<0.050	EPA200.7	0.050	02/09/90
1919	Calcium Hardness	160	EPA200.7	2.5	02/09/90

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy (Rockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME DER 17-5 Secondary Wet Chm

SAMPLE# 02C
MATRIX WATER
TEST CODE DERSDW

WET CHEMISTRY
SECONDARY CHEMICAL ANALYSIS
17-550.320
(PWS031)

Parameter ID	Name	Analysis Result(mg/l)	Method	Det.Lt. (mg/l)	Analysis Date
1017	Chloride	280	SM 407	1.0	02/12/90
1025	Fluoride	<0.1	EPA340.2	0.1	02/13/90
1055	Sulfate	40	EPA375.4	1.0	02/07/90
1901	Carbon Dioxide	1.3	SM 406 C	1.0	02/15/90
1905	Color	50	SM 204 A	5PCU	02/07/90
1920	Odor Threshold	1	EPA140.1	1TON	02/07/90
1927	Total Alkalinity	150	EPA310.1	2.0	02/07/90
1930	Total Dissolved Solids	710	EPA160.1	1.0	02/12/90
1931	Phenolphthalein Alk	<2.0	EPA310.1	2.0	02/07/90
1997	Langelier Index pHs	7.50	CALC.	N/A	02/15/90
1998	Saturation Index	0.90	CALC.	N/A	02/15/90
2909	Foaming Agents	0.11	EPA425.1	0.1	02/07/90

VERIFIED BY DTA

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 30 Lombardy Clockhill
DATE COLLECTED 02/05/90 10:00:00
TEST NAME Gross Alpha (water)

SAMPLE# 02D
MATRIX WATER
TEST CODE G_A

Code	Element	RESULT	DET_LIMIT
G_A	Gross Alpha	2.0	0.5
Ctn_Err	Counting Error	6.2	0.4

UNITS pCi/l

ANALYST JAB

ORLANDO LABORATORIES,INC. REPORT OF ANALYSIS Work Order # 90-02-056
Received: 02/05/90 Results by Sample

SAMPLE ID	Unit 32 Courtland (Cabot)	SAMPLE #	03A,B,C,D
DATE COLLECTED	02/05/90 11:30:00	MATRIX	WATER

TURB	<1.0	NTU

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Abot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME 17-550 Trihalomethanes

SAMPLE# 03A
MATRIX WATER
TEST CODE 501R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-501.2
TRIHALOMETHANE ANALYSIS
17-550.310(2)(C)
(PWS027)

Parameter ID	Name	Analysis Result	Det. Lt.
2950	TTHM	20.0	1.0

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Cabot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME 17-550 "EDB" Analysis

SAMPLE# 03A
MATRIX WATER
TEST CODE 504R

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 02/05/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(D)
(PWS029)

Parameter ID	Name	Analysis Result		Det. Lt.
2946	Ethylene dibromide	0.02	U	0.02

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Abot)
DATE COLLECTED 02/05/90 11:30:00
TEST.NAME 17-550 "DBCP" Analysis

SAMPLE# 03A
MATRIX WATER
TEST CODE 504U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST JAB

DATE EXTRACTED 02/05/90
DATE RUN 02/09/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-504
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result	Det. Lt.
2931	1,2-dibromo-3-chloro propane	0.02 U	0.02

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Cabot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME DER 17-550 Regulated VOA's

SAMPLE# 056
MATRIX WATER
TEST CODE 524R

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
VOLATILE ORGANIC ANALYSIS
17-550.310(2)(d)
(PWS028)

Parameter ID	Name	Analysis Result		Det. Lt.
2969	p-Dichlorobenzene	0.5	U	0.5
2976	Vinyl Chloride	0.5	U	0.5
2977	1,1-Dichloroethene	0.5	U	0.5
2980	1,2-Dichloroethane	0.5	U	0.5
2981	1,1,1-Trichloroethane	0.5	U	0.5
2982	Carbon Tetrachloride	0.5	U	0.5
2984	Trichloroethene	0.5	U	0.5
2987	Tetrachloroethene	0.5	U	0.5
2990	Benzene	0.5	U	0.5

ORLANDO LABORATORIES, INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Capot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME DER 17-550 Unregulated VOA

SAMPLE# 03A
MATRIX WATER
TEST CODE 524U

SAMPLE TYPE WATER
UNITS UG/L
ANALYST EJP

DATE EXTRACTED NA
DATE RUN 2/8/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-524
UNREGULATED ORGANIC PURGEABLE ANALYSIS
17-550.410(1)
(PWS034)

Parameter ID	Name	Analysis Result		Det. Lt.
2210	Chloromethane	0.5	U	0.5
2212	Dichlorodifluoromethane	0.5	U	0.5
2214	Bromomethane	0.5	U	0.5
2216	Chloroethane	0.5	U	0.5
2218	Trichlorofluoromethane	0.5	U	0.5
2224	trans-1,3-Dichloro propene	0.5	U	0.5
2228	cis-1,3-Dichloropropene	0.5	U	0.5
2251	Methyl tert-butyl-ether	0.5	U	0.5
2380	cis-1,2-Dichloroethene	0.5	U	0.5
2408	Dibromomethane	0.5	U	0.5
2410	1,1-Dichloropropene	0.5	U	0.5
2412	1,3-Dichloropropane	0.5	U	0.5
2414	1,2,3-Trichloropropane	0.5	U	0.5
2416	2,2-Dichloropropane	0.5	U	0.5
2941	Chloroform	17.0		0.5
2942	Bromoform	0.5	U	0.5
2943	Bromodichloromethane	3.0		0.5
2944	Dibromochloromethane	0.5	U	0.5
2962	para-Xylene	0.5	U	0.5
2964	Methylene Chloride	0.5	U	0.5
2965	o-Chlorotoluene	0.5	U	0.5
2966	p-Chlorotoluene	0.5	U	0.5
2967	meta-Dichlorobenzene	0.5	U	0.5
2968	Ortho-Dichlorobenzene	0.5	U	0.5
2978	1,1-Dichloroethane	0.5	U	0.5
2979	trans-1,2-Dichloroethene	0.5	U	0.5
2983	1,2-Dichloropropane	0.5	U	0.5
2985	1,1,2-Trichloroethane	0.5	U	0.5
2986	1,1,1,2-Tetrachloro ethane	0.5	U	0.5
2988	1,1,2,2-Tetrachloro ethane	0.5	U	0.5
2989	Chlorobenzene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056
Continued From Above

SAMPLE ID Unit 32 Courtland (Labot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME OER 17-550 Unregulated VOA

SAMPLE# 05H
MATRIX WATER
TEST CODE 524U

2991	Toluene	0.5	U	0.5
2992	Ethylbenzene	0.5	U	0.5
2993	Bromobenzene	0.5	U	0.5
2995	meta-Xylene	0.5	U	0.5
2996	Styrene	0.5	U	0.5
2997	ortho Xylene	0.5	U	0.5

ORLANDO LABORATORIES,INC.
Received: 02/05/90

REPORT OF ANALYSIS
Results by Sample

Work Order # 90-02-056

SAMPLE ID Unit 32 Courtland (Cabot)
DATE COLLECTED 02/05/90 11:30:00
TEST NAME DER 17-550 Unreg Pest 531s

SAMPLE# 03A
MATRIX WATER
TEST CODE 531U

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JHH

DATE EXTRACTED NA
DATE RUN 02/06/90
DILUTION FACTOR 1
% MOISTURE NA

METHOD EPA-531
UNREGULATED ORGANIC PESTICIDE ANALYSIS
17-550.410(1)
(PWS035)

Parameter ID	Name	Analysis Result		Det. Lt.
2036	Oxamyl (Vydate)	2.0	U	2.0
2043	Aldicarb Sulfoxide	2.0	U	2.0
2044	Aldicarb Sulfone	2.0	U	2.0
2046	Carbofuran	1.5	U	1.5
2047	Aldicarb	1.0	U	1.0

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-5-91 3:30 pm
SAMPLES ANALYZED 12-5-91 5:00 pm
DELTONA REPORT NO: 53319
Randy Gorrell
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: STEVEN PIAZZA COLLECTOR PHONE #: 574-2151
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12.5.91 12 NOON TO 2:30 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)
(X) Distribution
[ ] Raw
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF) MTF MMO-MUG PA				
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1 of 128	1870 NORMANDY	.4		5605		A		
2 of 128	823 SULLIVAN AVE	.4		5606		A		
3 of 128	1859 TRUMBULL ST	.7		5607		A		
4 of 128	1807 URBANA AVE	.6		5608		A		
5 of 128	1624 FOURWINDS AVE	1.3		5609		A		
6 of 128	1551 ANTILLES TER	1.5		5610		A		
7 of 128	532 WELLINGTON DR	1.0		5611		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

HRS Form 688, Jan 81 (Obsolete previous editions which may not be used) (Stock Number: 8740-000-0885-4)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-5-91 3:20 pm
SAMPLES ANALYZED 12-5-91 5:00 pm
DELTONA REPORT NO: 53319
Randy Cowell
LABORATORY SUPERVISOR

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-21
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: STEVEN PIAZZA COLLECTOR PHONE #: 574-2181
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12-5-91 12 NOON TO 2:30 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)
[ ] Distribution [ ] TNTC or C
[ ] Raw [ ] Turbid
[ ]
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: ~~MF~~ MTF			MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
8/128	313 PROVIDENCE BLVD	.3		5612		A		
9/128	310 MAGUIRE ST	.3		5613		A		
10/128	1459 PROVIDENCE BLVD	1.5		5614		A		
11/128	1497 PROVIDENCE BLVD	1.4		5615		A		
12/128	BRIARWOOD L/S	1.2		5616		A		
13/128	1298 LINDSAY TER	1.0		5617		A		
14/128	1484 Providence	1.2		5618		A		

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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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 11 00 AM
SAMPLES ANALYZED 12-9-91 7 00 PM
DELTONA REPORT NO: 53319
Randy Connell
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181

ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL

COLLECTOR: STEVEN PIAZZA COLLECTOR PHONE #: 574-2181

SAMPLE SITE (Locality or Subdivision): DELTONA

DATE AND TIME COLLECTED: 12-10-91 8AM TO 12NOON

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)
[X] Distribution [ ] TNTC or C
[ ] Raw [ ] Turbid
REMARKS: [ ]

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: <MF>		MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
15-128	1382 Providence Blvd	.4		5619		A		
16-128	1544 Providence Blvd	.4		5620		A		
17-128	Penton CT 2421	.3		5621		A		
18-128	1324 Seagate Rd	.5		5622		A		
19-128	2813 Cornerstone Church	.8		5623		A		
20-128	2541 Walkertown	1.0		5624		A		
21-128	758 Armadillo Dr	1.2		5625		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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

HRS Form 655, Jan 91 (Obsoletes previous editions which may not be used) (Stock Number: 0160-000-0686-5)

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 11:00 AM
SAMPLES ANALYZED 12-9-91 7:05 PM
DELTONA REPORT NO: 53319
Randy Connell
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: STEVEN PIAZZA COLLECTOR PHONE #: 574-2181
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12-10-91 8AM TO 12NOON
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 C
[ ] Raw [ ] Turbid
[ ]
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)	NTF		MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
22-128	2313 FITZPATRICK	1.0		5626		A		
23-128	1061 Dole Rd	.4		5627		A		
24-128	96 Champlain dr	.2		5628		A		
25-128	1265 FAWN dr	.3		5629		A		
26-128	1137 BARBADOS	.4		5630		A		
27-128	1189 OUTLOOK dr	.4		5631		A		
28-128	1087 N. HARBOR dr	.3		5632		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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

1183 Form 665, Jan 91 (Obsolete previous editions which may not be used) (Stock Number 0160-000-0615-6)

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-9-91 2:09 PM
SAMPLES ANALYZED 12-9-91 7:09 PM
DELTONA REPORT NO: 53319
Randy Cornell
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: J R COLLECTOR PHONE #: 574-2191
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12-9-91 12:30 pm to 1:55 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)
[ ] Distribution [ ] TNTC or C
[ ] Raw [ ] Turbid
REMARKS: [ ]

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB — ANALYSIS METHOD: (MF) MTF NMO-MUG PA				
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
29-128	ENTERPRISE School	0.3		5633		A		
30-128	DELTONA MIDDLE School	0.5		5634		A		
31-128	RIVER SIDE COND.	0.3		5635		A		
32-128	SUN SET GARDEN APPT C	0.3		5636		A		
33-128	1321 FOUNTAIN HEAD	0.5		5637		A		
34-128	10110 PROVIDENCE BLVD 7/11	0.8		5638		A		
35-128	DELTONA LAKES School	0.5		5639		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

HRS Form 455 Jun 91 (Obsolete previous editions which may not be used) [State Number 0140-000-0455-1]

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 10:05 pm
SAMPLES ANALYZED 12-10-91 1:39 pm
DELTONA REPORT NO: 53319
Randy Connell
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181

ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL

COLLECTOR: STEVEN PIAZZA COLLECTOR PHONE #: 574-2181

SAMPLE SITE (Locality or Subdivision): DELTONA

DATE AND TIME COLLECTED: 12-10-91 8AM TO 12 NOON

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

TYPE OF SAMPLE(Circle one): (Compliance) (Check Box) [X] Distribution [X] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)		MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
36-128	RAW WELL #12	—		5640		A		
37-128	RAW WELL #9	—		5641		A		
38-128	H.S. SAXON	1.5		5642		A		
39-128	RAW WELL #16	—		5643		A		
40-128	RAW WELL #14	—		5644		A		
41-128	RAW WELL #6	—		5645		A		
42-128	H.S. LOMBARDY	2.0		5646		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

HRS Form 485, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 5160-000-0845)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 12:05 PM
SAMPLES ANALYZED 12-10-91 1:32 PM
DELTONA REPORT NO: 53319
Nancy Arnold
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181

ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL

COLLECTOR: STEVEN PIAZZA COLLECTOR PHONE #: _____

SAMPLE SITE (Locality or Subdivision): DELTONA

DATE AND TIME COLLECTED: 12-10-91 8AM TO 12NOON

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)
[x] Distribution
[x] Raw
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)	MTF		HMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
43-12B	RAW well #8	-		5647		A		
44-12B	RAW well #27	-		5648		A		
45-12B	RAW Well #2	-		5649		A		
46-12B	RAW Well #25	-		5650		A		
47-12B	RAW Well #3	-		5651		A		
48-12B	RAW Well #19	-		5652		A		
49-12B	RAW Well #4	-		5653		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

HRS Form 648, Jun 81 (Obsolete previous editions which may not be used) (Stock Number 5760-005-0485-3)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 11:05 pm
SAMPLES ANALYZED 12-10-91 1:30 PM
DELTONA REPORT NO: 53319
Randy Oldfield
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: Steven Plaza COLLECTOR PHONE #: 574-2191
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12-10-91 8AM TO 12NOON
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)
[X] Distribution
[X] Raw
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)	MTF		MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
50-128	RAW well #23	-		5654		A		
51-128	RAW well #28	-		5655		A		
52-128	RAW well #24	-		5656		A		
53-128	RAW well #17	-		5657		A		
54-128	RAW well #18	-		5658		A		
55-128	RAW well #15	-		5659		A		
56-128	H.S. COURTLAND	2.0		5660		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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

IRS Form 848, Jan 81 (Obsolete previous editions which may not be used) (Stock Number 8160-000-0815.5)

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 1205 PM
SAMPLES ANALYZED 12-10-91 1:34 PM
DELTONA REPORT NO: 53319
Randy Conrad
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181

ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL

COLLECTOR: SHANE CHUDNEY COLLECTOR PHONE #: 574-2181

SAMPLE SITE (Locality or Subdivision): DELTONA

DATE AND TIME COLLECTED: 12-10-91 8AM TO 12NOON

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) [ ] Distribution [ ] Raw) Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF) MTF MMO-MUG PA				
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
57-128	1946 LINDHURST	.2		5661		A		
58-128	1344 STAR CT.	1.0		5662		A		
59-128	1837 FAYETTEVILLE	.2		5663		A		
60-128	821 S. ATMORE CIR.	1.0		5664		A		
61-128	908 TULIP ST.	1.5		5665	TNTC	A		
62-128	SAXON MEDICAL CENTER	1.5		5666	TNTC			
63-128	1550 MERRIMAC ST.	1.5		5667	TNTC	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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

HRS Form 665, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 0160-000-0665-8)

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 1205 PM
SAMPLES ANALYZED 12-10-91 138 PM
DELTONA REPORT NO: 53319
Rand Caudill
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181

ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL

COLLECTOR: SHANE CHURNEY COLLECTOR PHONE #: 574-2181

SAMPLE SITE (Locality or Subdivision): DELTONA

DATE AND TIME COLLECTED: 12-10-91 8AM TO 12 NOON

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)
[X] Distribution
[ ] Raw
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)	MTF		MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
64-128	1729 VIVIAN CT.	.5		5668		A		
65-128	1639 BLOOMFIELD DR.	2.5		5669		A		
66-128	1543 LAVILLA ST.	1.0		5670		A		
67-128	1551 ORTEGA AVE.	.5		5671		A		
68-128	1961 PARAGON ST.	1.0		5672		A		
69-128	2017 MONTEREY DR.	1.5		5673		A		
70-128	813 TRADEWINDS DR.	1.5		5674		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

HRS Form 688, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 5710-000-0688-6)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 12:05 PM
SAMPLES ANALYZED 12-10-91 1:38 PM
DELTONA REPORT NO: 53319
Rod Cornell
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-218
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: SHANE CHURNEY COLLECTOR PHONE #: 574-2181
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12-10-91 8AM TO 12 NOON
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) [X] Distribution [ ] Raw) Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)	MTF		MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
71-128	880 E. LEHIGH DR.	1.5		5675		A		
72-128	725 LORRAINE DR.	1.0		5676		A		
73-128	1484 PURITAN ST.	.2		5677		A		
74-128	832 ABBOTT AVE.	.2		5678		A		
75-128	FIRST BAPTIST - PROVIDENCE	1.0		5679		A		
76-128	1125 ANDERSON ST.	1.5		5680		A		
77-128	1051 DELARIO DR.	.5		5681		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

HRS Form 665, Jan 91 (Obsoletes previous editions which may not be used) (Stock Number 0160-000-0681-4)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 12:05 pm
SAMPLES ANALYZED 12-10-91 1:35 pm
DELTONA REPORT NO: 53319
[signature]
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: RC COLLECTOR PHONE #: 574-2181
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12-10-91 9:30 a.m. to 12:40

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)
[X] Distribution
[ ] Raw
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: [illegible] MTF NMO-MUG PA				
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
78-128	SOUTHEAST BANK DELTONA Blvd	.5		5682		A		
79-128	SAXON Medical Park	1.0		5683		A		
80-128	ISC 2 SAXON Blvd	1.0		5684		A		
81-128	DELTONA LIBRARY	.4		5685		A		
82-128	1985 E. Chapel	.4		5686		A		
83-128	DELTONA LAKES Elem.	.7		5687		A		
84-128	2043 ELKCAM Blvd.	.7		5688		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

HRS Form 883, Jan 81 (Obsolete previous editions which may not be used) (Stock Number: 0160-000-0883-4)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 12:05 PM
SAMPLES ANALYZED 12-10-91 1:54 PM
DELTONA REPORT NO: 53319
Randy Connell
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: Pa COLLECTOR PHONE #: 574-2181
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12-10-91 9:45 am to 12:45 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) [X] Distribution [ ] Raw
(Check Box) [ ] TNTC or C [ ] Turbid [ ]
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF) NON	MTF		MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
85-128	Southridge Plaza Elkcam	.7		5689		A		
86-128	Fountain Howard	.2		5690		A		
87-128	2420 Courtland	1.0		5691		A		
88-128	First Baptist Providence	.5		5692		A		
89-128	1261 Sourwood	.5		5693		A		
90-128	1854 Elmore Ave.	.5		5694		A		
91-128	668 Pyramid Ave.	1.0		5695		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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

[1183 Form 695, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 6760-000-0685-1)]

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-10-91 1205 PM
SAMPLES ANALYZED 12-10-91 1:30 PM
DELTONA REPORT NO: 53319
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: STEVEN PLAZA COLLECTOR PHONE #: 574-2181
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12-10-91 1PM TO 3PM
TYPE OF SUPPLY(Circle one): (Community water system) Private well Noncommunity water system Swimming pool Nontransient - noncommunity water system Bottled water Other public water system
TYPE OF SAMPLE(Circle one): (Compliance) (Check Box) [X] Distribution [X] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF) NTF			MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	CL. RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
92-128	Firehouse (Holland Blvd)	1.7		5696		A		
93-128	RAW well #20	-		5697		A		
94-128	RAW well #21	-		5698		A		
95-128	366 Foremsmith	1.0		5699		A		
96-128	H.S. Sagamore	2.0		5700		A		
97-128	RAW well #22	-		5701		A		
98-128	RAW well #32	-		5702		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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-16-91 12:15 pm
SAMPLES ANALYZED 12-16-91 1:45 pm
DELTONA REPORT NO: 53319
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: STEVEN PIAZZA COLLECTOR PHONE #: 574-2181
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12-16-91 8AM TO 12NOON
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 C
[ ] Raw [ ] Turbid
[ ]
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: MF		MTF	HMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
99-128	229 Ft. Smith BLVD	.4		5705		A		
100/128	Firehouse Ft Smith	.4		5706		A		
101/128	3468 TRADE ST	.5		5707		A		
102/128	706 VARDON ST	.5		5708		A		
103/128	530 BERN CT	.6		5709		A		
104/128	3291 LURAY ~~Rutland~~ CT	.7		5710		A		
105/128	114 COURTLAND BLVD	.5		5711		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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY 12-17 PM
SAMPLES RECEIVED 12-16-91
SAMPLES ANALYZED 12-16-91 1:00 PM
DELTONA REPORT NO: 53319
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181

ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL

COLLECTOR: STEVEN PIAZZA COLLECTOR PHONE #: 574-2181

SAMPLE SITE (Locality or Subdivision): DELTONA

DATE AND TIME COLLECTED: 12-16-91 8AM TO 12 NOON

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)
[X] Distribution
[ ] Raw
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF) MTF MMO-MUG PA				
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
106/128	75 COURTLAND BLVD	.5		5712		A		
107/128	STONE ISLAND 1400 KETTLEDRUM DR	.2		5713		A		
108/128	STONE ISLAND 1365 KETTLEDRUM DR	.2		5714		A		
109/128	STONE ISLAND 1545 ARROWHEAD	.4		5715		A		
110/128	STONE ISLAND 480 STONE ISLAND RD	.4		5716		A		
111/128	313 PROVIDENCE BLV	.4		5717		A		
112/128	316 MONTEGO ST	.4		5718		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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

IERS Form 865, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 1760-000-0865-1)

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-16-91 3:00 PM
SAMPLES ANALYZED 12-17-91 1:00 PM
DELTONA REPORT NO: 53319
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181

ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL

COLLECTOR: John Rumbley COLLECTOR PHONE #: 574-2181

SAMPLE SITE (Locality or Subdivision): DELTONA

DATE AND TIME COLLECTED: 12-16-91 1:00 TO 3:00 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) (Check Box) Repeat Replacement (Check Box) Main clearance Well survey Other _____ (Specify)
[X] Distribution [ ] TNTC or C
[ ] Raw [ ] Turbid
[ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD (MF)		MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	CL RES*D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
113/128	740 SAXON BLD.	0.5		5719		A		
114/128	OSTEEN School	0.3		5720		A		
115/128	18 COURTLAND BLD	0.3		5721		A		
116/128	2904 FOXDALE DR.	0.3		5722		A		
117/128	1712 SAXON BLD.	0.5		5723		A		
118/128	1014 NORWOOD DR.	0.5		5724		A		
119/128	DICOVERY School	0.6		5725		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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

HRS Form 644, Jan 81 (Obsolete previous editions which may not be used) (Stock Number: 0760-000-0644-5)

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-19-91
SAMPLES ANALYZED 12-19-91 1 03 PM
DELTONA REPORT NO: 53319
Randy Conwell
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: RH COLLECTOR PHONE #: 574-2191
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12/19/91 8:00 a.m. To 12:00 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)
[*] Distribution
[ ] Raw
(Check Box)
[ ] TNTC or C
[ ] Turbid
[ ]
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF) MTF		MMO-MUG		PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
120/128	1729 Vivian CT	.5		5726		A		
121/128	1676 W. Wayerross	1.0		5727		A		
122/128	1636 Ferguson Av	1.0		5728		A		
123/128	1454 Gainesville dr	1.0		5729		A		
124/128	2030 Heathwood ST	.5		5730		A		
125/128	Elkcam L/S	1.0		5731		A		
126/128	2151 Kendall	.5		5732		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

HRS Form 456, Jan 88 (Obsolete previous editions which may not be used) (Stock Number: 0110-000-0456-1)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-19-91
SAMPLES ANALYZED 12-20-91 1 of 2 P.M.
DELTONA REPORT NO: 53319
Randy Conrad
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181
ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL
COLLECTOR: RH COLLECTOR PHONE #: 574-2191
SAMPLE SITE (Locality or Subdivision): DELTONA
DATE AND TIME COLLECTED: 12/19/91 8 TO 12 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 (Check Box) (X) Distribution ( ) Raw) Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)
REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: (MF)	MTF		HMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
127/128	2359 Austin Av	5		57333		A		
128/128	2879 Elcam Av	5		57334		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/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

IRM Form 668, Jan 91 (Obsolete previous editions which may not be used) (Stock Number 8760-000-0886-5)

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725
(407) 574-2181

FOR LAB USE ONLY
SAMPLES RECEIVED 12-13-91 2PM
SAMPLES ANALYZED 12-13-91 2:00 PM
DELTONA REPORT NO: 53319
Barb Court
LABORATORY SUPERVISOR

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: SSU SERVICES/DELTONA OFFICE SYSTEM I.D. NO: 3640287 SYSTEM PHONE #: (407) 574-2181

ADDRESS: 255 ENTERPRISE ROAD COUNTY: VOLUSIA DER DISTRICT: CENTRAL

COLLECTOR: John Rumbley COLLECTOR PHONE #: 574-2181

SAMPLE SITE (Locality or Subdivision): DELTONA

DATE AND TIME COLLECTED: 12-13-91 1:00PM TO 2PM

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) ( ) Distribution [ ] Raw Repeat (Replacement) (Check Box) [✓] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD: MF		MTF	MMO-MUG	(PA)
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1of2	908 Tulip ST	1.3		5703		P	A	A
2of2	SAXON MEDICAL CENTER	OS		5704		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

HRS Form 655, Jul 91 (Obsolete previous editions which may not be used) (Stock Number: 5160-000-3666-6)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU SERVICES/DELTONA OFFICE
255 ENTERPRISE ROAD
DELTONA, FL 32725

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

REVIEWING OFFICIAL: _____

TITLE: _____

needs to be faxed only!

HRS

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

FOR LAB USE ONLY

DRINKING WATER BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: Daltona Utilities SYSTEM I.D. NO: 3640287 SYSTEM PHONE #:

ADDRESS: 1274 Dandelion Dr, Daltona COUNTY: Volusia DER DISTRICT: 2

COLLECTOR: David F Dawson COLLECTOR PHONE #: 775 [illegible]

SAMPLE SITE (Locality or Subdivision): Daltona Creek Corner Pine Pipe Normal

DATE AND TIME COLLECTED: 7-24-91 9:30

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 (Check Box) [ ] Distribution [ ] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other NC #473 (Specify)

REMARKS: No coliforms detected in water

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	ID SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	DEL, Tap outside	0.5	7.5	04627		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

HRS Form 688, Jan 91 (Obsolete previous editions which may not be used) (Stock Number: 0760-000-0686-5)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

Delta Utilities
255 Enterprise Pl.
Daltona FL [illegible]

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

REVIEWING OFFICIAL: J Lee Faircloth

TITLE: Enzymer III

Dol Ray Manor - 336

Seminole County (SSU)

Water

- 1992 FPSC Filing -

Dol Ray

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

SSU SERVICES

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

Serving the Environment of the Sunshine State: Deltona, Miami Lakes, Marion Oaks, Pine Ridge, St. Augustine Shores, Apopka

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Apr 2 1991
PO Number: B91050

PO Number
FDHRS Lab# : 93139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: DIST. WATER
Date Received: Mar20 1991 Lab Number : 16498

REPORT OF ANALYSIS

Dol- Ray

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16498
Turbidity	NTU	0.05	100	7.37	0.48
Arsenic	mg/L	0.0005	95.4	2.18	0.00133
Barium	mg/L	0.01	93	2.01	0.14
Cadmium	mg/L	0.001	107	1.46	0.011
Chromium	mg/L	0.005	110	0.08	<0.005
Fluoride	mg/L	0.05	101	1.3	0.0678
Lead	mg/L	0.001	96	0.4	<0.001
Mercury	mg/L	0.0002	100	4.54	<0.0002
Nitrate(as N)	mg/L	0.01	102	9.98	1.03
Selenium	mg/L	0.0005	90	1.11	0.000501
Silver	mg/L	0.005	91.4	0.57	<0.005
Sodium	mg/L	0.002	103	0.66	9.4
Endrin	mg/L	.000001	99.6	3.41	<.000001
Lindane	mg/L	.000001	98.4	2.59	<.000001
Methoxychlor	mg/L	0.00001	104	6.8	<0.00001
Toxaphene	mg/L	0.0001	106	0.93	<0.0001
2,4-D	mg/L	0.00005	115	2.76	<0.00005
2,4,5-TP Silvex	mg/L	0.00002	92	11.5	<0.00002
Calcium	mg/L	0.1	89.3	0.48	48.4
Chloride	mg/L	0.015	98.5	0.52	15.3
Carbonate_CaCO3	mg/L	0.1			132.7
Hydroxide_CaCO3	mg/L	0.1			0.9
Copper	mg/L	0.005	112	1.61	<0.005
Bicarbonate _CaCO2	mg/L	0.1			132.4
Carbonate_Alkalinity	mg/L	0.1			0.3
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

Jefferson S. Flowers Ph.D
Jefferson S. Flowers Ph.D
481 NEWBURYPORT
P.O. BOX 150 597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984
FAX 407 260-0117

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Apr 2 1991
PO Number: B91050

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

For: DIST. WATER
Date Received: Mar20 1991 Lab Number : 16498

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16498
Iron	mg/L	0.01	119	1.93	0.141
Magnesium	mg/L	0.01	107	1.3	11.6
Manganese	mg/L	0.005	103	0.67	0.01
Sulfate	mg/L	0.2	99.2	1.22	27.3
Zinc	mg/L	0.001	106	1.72	0.029
Carbon_Dioxide	mg/L	0.1			9.9
Color	mg/L	5	-	0	15
Total_Hardness	mg/L	0.1			168.6
NCH_as_CaCO3	mg/L	0.1			35.9
Odor(TON)	TON	1	-	-	<1
Field_pH	pH	0.01			-
Lab_pH	pH	0.01	100	0.33	7.43
Field Conductivity	umhos/c	0.01			-
Total Alkalinity	mg/L	0.1	99.4	0.66	133
TDS	mg/L	2.5	100	0.50	200
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			<1
Langelier Index	LSI	0.01			-0.21
Saturation Index	pHs	0.01			7.63
Stability Index	pH	0.01			7.84
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			4.2

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

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PHONE 407 339-5936
FAX 407 260-0117

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590297
Public Water System Name Dal-Ray
Public Water System Type (check one):
(✓)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyz: Turbidity_X_;Inorganic_X_; Trihalomethane ___;
Volatile Organic___; Organic Chemical_X_: 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):
Laboratory Sample Number 16498
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 4/1/91
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 4/1/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/ () 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	16498	1	.480	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	16498	0.05	.00133	EPA206.3	0.0005	3/28/91
1010	Barium	16498	1	.140	EPA208.1	0.01	3/29/91
1015	Cadmium	16498	0.01	.0110	EPA213.1	0.001	3/22/91
1020	Chromium	16498	0.05	<0.005	EPA218.1	0.005	3/27/91
1025	Fluoride	16498	4	.0678	EPA340.1	0.05	3/26/91
1030	Lead	16498	0.05	<0.01	EPA239.2	0.001	3/22/91
1035	Mercury	16498	0.002	<0.0002	EPA245.1	0.0002	3/27/91
1040	Nitrate(as N)	16498	10	1.03	EPA353.1	0.01	03-27-91
1045	Selenium	16498	0.01	.000501	EPA270.3	0.0005	3/28/91
1050	Silver	16498	0.05	<0.005	EPA272.1	0.005	3/27/91
1052	Sodium	16498	160	9.40	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	16498	0.0002	<.000001	EPA508	.000001	4/1/91
2010	Lindane	16498	0.004	<.000001	EPA508	.000001	4/1/91
2015	Methoxychlor	16498	0.1	<0.00001	EPA508	0.00001	3/29/91
2020	Toxaphene	16498	0.005	<0.0001	EPA508	0.0001	4/1/91
2105	2,4-D	16498	0.1	<0.00005	EPA515	0.00005	3/29/91
2110	2,4,5-TP(Silvex)	16498	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	16498		48.4	EPA215.1	0.1	3/29/91
1017	Chloride	16498	250	15.3	EPA300.0	0.015	03-25-91
1019	Carbonate CaCO3	16498		132.7	SM314A	0.1	3/29/91
1021	Hydroxide CaCO3	16498		0.0	SM406C	0.1	3/29/91
1022	Copper	16498	1	0.005	EPA220.1	0.005	3/21/91
1023	Bicarbonate CaCO3	16498		132.4	SM406C	0.1	3/29/91
1026	Carbonate Alkalinity	16498		0.3	SM406C	0.1	3/29/91

1027	Hydrogen Sulfide	16498				EPA376.1	0.5	
1028	Iron	16498	0.3		.141	EPA238.1	0.01	3/21/91
1031	Magnesium	16498			11.6	EPA242.1	0.01	3/29/91
1032	Manganese	16498	0.05		.0100	EPA243.1	0.005	3/25/91
1055	Sulfate	16498	250		27.3	EPA300.0	0.200	3/28/91
1095	Zinc	16498	5		.0290	EPA289.1	0.001	3/21/91
1901	Carbon Dioxide	16498			9.9	SM406C	0.1	3/29/91
1905	Color	16498	15		15.0	EPA110.1	5	3/27/91
1915	Total Hardness	16498			168.6	SM314A	0.1	3/29/91
1917	NCH as CaCO3	16498			35.9	SM314A	0.1	3/29/91
1920	Odor(TON)	16498	3		<1	EPA140.1	1	4/1/91
1924	Field pH	16498	6.5-8.5		7.2	EPA150.1	0.01	
1925	Lab pH	16498	6.5-8.5		7.43	EPA150.1	0.01	3/22/91
1926	Field Conductivity	16498			715	-	0.01	
1927	Total Alkalinity	16498			133	EPA310.1	0.1	3/29/91
1930	TDS	16498	500		200	EPA160.1	2.5	3/22/91
1931	Phenolphthalein Alk.	16498				EPA310.1	0.1	
1996	Field Temp. (C)	16498			23	25 -		1 3/29/91
1997	Langelier Index	16498	-0.2:+0.2		-0.21	SM203	0.01	3/29/91
1998	Saturation Index	16498			7.63	SM203	0.01	3/29/91
1999	Stability Index	16498			7.84	SM203	0.01	3/29/91
2909	Foaming Agents	16498	0.5			EPA425.1	0.1	4/1/91
9996	Field DO	16498			5	-	0.1	
9997	Field Chlorine	16498			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	16500	5	4.5	EPA900	1	4/2/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD

CLIENT SSJ	ADDRESS 1000 Color Place Apopka FL	PHONE 880-0100
PROJECT NAME: 391050	REQUIRED: ☐ Urgent ☒ Routine	DATE 3/20/91

Sample Containers QTY	Preservative: HNO3	H2SO4	HCl	Na2S2O3	Zn(C2H3O2)/NaOH	NaOH/AscAcid	Plastic Containers: 60mL	125mL	250mL	500mL	1L	2L	Whirl-Pak Bag	Glass Containers: 40mL Vial	250mL	500mL	1L	2L	4L	NOTES:
1	X									X										2 Plastic 250 mL's
1											X									
1																		X		
1	X									X										

Kit Relinquished: James Johnson
Date: 3/20/91
Time: 12:45

Kit Received:
Date:
Time:

Parameters: Primary Pac Sec GA

Laboratory Number	Client Identification/Description
	Dist Water
	Druid Hills
16498	Dol-Ray 3590297
	Field Condit.
	Cl2 1.3 DO. 5 mg/L
	pH 7.2 Conductivity. 715
	Temp 74° F

		Date	Time
Sample Collection	James Johnson	3/20/91	10:00 AM
Transportation			
Lab Acceptance		3/20/91	11:45

Page _____ of _____

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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: Mar15 1991 Lab Number : 16493

REPORT OF ANALYSIS

Dol-Ru

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16493
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-trichloroethan	mg/L	0.001	92.2	2.16	<0.001
Carbon tetrachloride	mg/L	0.001	94.3	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-1,2,-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-trichloropropa	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

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 L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
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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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLES
Date Received: Mar15 1991 Lab Number : 16493

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16493
Bromoform	mg/L	0.001	88.0	1.93	<0.001
Bromodichloromethane	mg/L	0.001	93.3	1.21	<0.001
Dibromochloromethane	mg/L	0.001	91.6	.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
1,1,2,2-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	93.8	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	.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 1 of 4

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Jefferson S. Flowers, PhD
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FLORIDA 32718-2687
305 767-2566

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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLES
Date Received: Mar15 1991 Lab Number : 16493

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16493
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	93.2	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	4.702	<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	99.3	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	99.8	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.

Jefferson S. Flowers, Ph.D.
Technical Director

Jefferson L. Flowers, Ph.D.
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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: Mar15 1991 Lab Number : 16493

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16493
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	101	3.56	<0.001
2-chlorophenol	mg/L	0.001	100	2.54	<0.001
2-methyl-4,6-dinitop	mg/L	0.001	99.5	3.84	<0.001
Phenol	mg/L	0.001	105	4.60	<0.001
2,4,6-trichlorophenc	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

Jefferson L. Rowan, Ph.D.
Jefferson S. Flowers, Ph.D.
881 NEWBURYPORT
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FLORIDA 32715-0397
813 647 [illegible]
FAX 647 [illegible]

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590297
Public Water System Name Dot-Ray
Public Water System Type (check one):
(X)Comm un ( )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_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 16493
Sample Location (be specific): _____
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone:_____
_____

ANALYSIS INFORMATION
Extraction Date 3/29/91
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 4/3/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER ACPHU Reviewing Official:

_____

PWSA 01 Sample Interpretation (check one):
Effective 08 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	Dichlorodifluoromethan	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,-dichloroprop	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-chloropr	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	o-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-dichloroethyl	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-tetrachloroetha	16493		<0.001	EPA502.2	0.001	3/29/91
2988	1,1,2,2-tetrachloroetha	16493		<0.001	EPA502.2	0.001	3/29/91
2989	Chlorobenzene	16493		<0.001	EPA502.2	0.001	3/29/91

Parameter ID	Name	Sample Number	MCL Value	Analysis Result(mg/L	Analytical Method	Det.Limit Used	Analysis Date
2991	Toluene	16493		<0.001	EPA502.2	0.001	3/29/91
2992	Ethylbenzene	16493		<0.001	EPA502.2	0.001	3/29/91
2993	Bromobenzene	16493		<0.001	EPA502.2	0.001	3/29/91
2995	m-xylene	16493		<0.001	EPA502.2	0.001	3/29/91
2996	Styrene	16493		<0.001	EPA502.2	0.001	3/29/91
2997	o-xylene	16493		<0.001	EPA502.2	0.001	3/29/91

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	16493		<.000001	EPA515	.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		<0.00007	EPA515	0.00007	4/2/91
2041	Dinoseb	16493		<0.00001	EPA515	0.00001	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		<.000005	EPA508	.000005	3/20/91
2356	Aldrin	16493		<0.00007	EPA508	0.00007	3/20/91
2364	Dieldrin	16493		<0.00001	EPA508	0.00001	3/20/91
2440	Dicamba	16493		<0.00001	EPA515	0.00001	4/2/91
2959	Chlordane	16493		<0.00001	EPA508	0.00001	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	Hexachlorocyclopentadie	16493		<0.001	EPA508	0.001	4/2/91
2063	Dioxin	16493		<0.00001	EPA613	0.00001	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)phthal	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	Dioctylphthalate	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-dinitophe	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:

FLOWERS CHEMICAL LABORATORIES INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD

CLIENT	ADDRESS	PHONE
SSJ Apopka Fla 32703	% 1000 Color Place	880-0100
PROJECT NAME: B91050	REQUIRED: ☐ Urgent ☒ Routine	DATE: 3/15/91

Sample Containers	Preservative							Plastic Containers							Glass Containers							
QTY	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		NOTES:
1																						5 wells
10																				X		1 sample
															X							3 pk's
																						NO AIR Bubbles

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

Parameters: Pwac Unites

Laboratory Number	Client Identification/Description
16493	Composite Samples Raw Water
	Well #1 3590111
	David Hills Well #1 } 2 wells per well
	Well 2 }
	Del-Ray Well 1 } 3590297
	Well 2 }
	Fern Park Well 1 3590368

		Date	Time
Sample Collection:	Annie Johnson		
Transportation:	Truck → LAB	3/15/91	1:30 - 2:45 pm
Lab Acceptance:	Dawnie L Lebert	3/15/91	3:00 pm

Page _____ of _____

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

481 NEWBURYPORT
P.O. BOX 130-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
305 [illegible]

SSU
SERVICES

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
Druid Hills PWS ID #3590111
Dol Ray PWS ID #3590297
Fern Park PWS ID #3590368

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

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 : 17195

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17195
Ethylene dibromide	mg/L	0.000005	88.5	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	112	3.25	<0.001
1,1,1-trichloroethan	mg/L	0.001	101	4.48	<0.001
Carbon tetrachloride	mg/L	0.001	98.6	4.28	<0.001
Trichloroethene	mg/L	0.001	99.7	3.99	<0.001
Tetrachloroethene	mg/L	0.001	96.0	3.69	<0.001
Benzene	mg/L	0.001	94.9	1.58	<0.001

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.

[illegible] Ph.D.
Laboratory Director

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson L. Flowers, Ph.D.
481 NEWBURYPORT
P O BOX 950597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5066
FAX (407) 830-4177

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590297
Public Water System Name: Dot-Ray
Public Water System Type (check one):
(X)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 17195
Sample Location (be specific): #1 at mail walk
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special ANSQ11. 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

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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:

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 11-650

(1) Client	(2) Address	(3) Phone
S.S.U. Services	1000 Color Place Apopka FL 32703	880-0058

(4) Public Drinking Water ID # 3590297 (5) Public Water System Name: DOL-RAY
(6) Project # (7) Public Water System Type
(8) PO# [X] Community [ ] Non-Community [ ] Special Non-Community

Preservative				Plastic Containers					Glass Containers						TESTS:
	HNO3	H2SO4/NaOH		40ml	125ml	250ml	500ml	1L	Wheaton 8oz	40ml	250ml	500ml	1L	2L	4L	

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

(11) Relinquished:	(10) Date	(11) Received	(11) Date 6/14/91
	(11) Time	B Johnson	(11) Time 12:00 Noon

SAMPLE INFORMATION: SAMPLE DATE: MONTH 6 DAY 19 YEAR 91
SAMPLE TYPE (check all applicable): ( ) check, ( ) routine distribution ( ) composite, ( ) clearance, ( ) max residence time, [X] plant tap, [X] raw, [X] well, ( ) resample _____, ( ) special _____
SAMPLER'S NAME: James Johnson TITLE: Operator PHONE: 880-0058
SAMPLER'S SIGNATURE: James Johnson
NOTES:
VOC Composite
2 wells at Dol Ray

(12) 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__;

(14) Laboratory Number	(15) Client Sample Identification
17195	#1
	#2
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

		Date	Time
(16) Collectors Signature:	James Johnson	6/20/91	11:00
(17) Transporters Signature:			
(18) Lab Acceptance By:	K. Sebert	6/20/91	11:10 AM

Charles L. Sweat
Vice President—Operations

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

SSU SERVICES

September 23, 1991

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

Re: Seminole County PW
Druid Hills PWS ID #3590111
Del-Ray Manor PWS ID #3590297
Fern Park PWS ID #3590368

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, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seacoast, Southern States, Spring Hill, Sugarmill Woods and Venice Gardens Utilities

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Sep17 1991
PO Number: B91050

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

For: COMP. SAMPLE
Date Received: Sep12 1991

Lab Number : 17802

REPORT OF ANALYSIS

Do/-Ray

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17802
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-trichloroethan	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 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 [illegible]

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

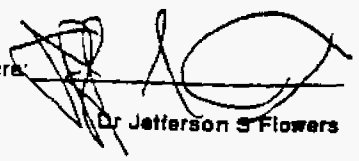
PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: Dol-Raw
Public Water System Name 3590297
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

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 17802
Sample Location (be specific): Plant - #1 & #2 Wells
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: James Johnson - Operator- 780-0058

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 9/16/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Official:

_____

PWSA.01 Sample Interpretation (check one)
Effective 06/01/ (X) 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	17802	.00002	<.000005	EPA504.1	.000005	9/16/91
2969	Para-dichlorobenzene	17802	.075	<0.001	EPA502.2	0.001	9/13/91
2976	Vinyl chloride	17802	0.001	<0.001	EPA502.2	0.001	9/13/91
2977	1,1-dichloroethene	17802	0.007	<0.001	EPA502.2	0.001	9/13/91
2980	1,2-dichloroethane	17802	0.003	<0.001	EPA502.2	0.001	9/13/91
2981	1,1,1-trichloroethane	17802	0.2	<0.001	EPA502.2	0.001	9/13/91
2982	Carbon tetrachloride	17802	0.003	<0.001	EPA502.2	0.001	9/13/91
2984	Trichloroethene	17802	0.003	<0.001	EPA502.2	0.001	9/13/91
2987	Tetrachloroethene	17802	0.003	<0.001	EPA502.2	0.001	9/13/91
2990	Benzene	17802	0.001	<0.001	EPA502.2	0.001	9/13/91

Comments:

CHEMICAL LABORATORY INCORPORATED

FDER Lab ID
FDHRS Lab ID
NELAC-NR Lab ID
SELAC Lab ID

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

DON COPPER

(1) Client: SSU
(2) Address: 1000 COLOR PLACE APOPKA, FL 32703
(3) Phone: 880-0058
(4) Public Drinking Water ID #: (3) Systems
(5) Public Water System Name: See Below
(6) Project #: 891050
(8) Public Water System Type: [X] Community [ ] Non-Community [ ] Special Non-Community

	Preservative		Plastic Containers					Glass Containers						NOTE:
	HNO3	ZnAc/NaOH	60ml	125ml	250ml	500ml	1L	Whirl Pac Bag	10ml	250ml	500ml	1L	2L	4L	(12) Turn Around Time:
															10 Working Days:
															5 Working Days :
															3 Working Days :
															1 Working Day :
															Other :
(16) 1 SS#									X						

DRUID HILLS (2 WELLS)
DOL-RAY (2 WELLS)
FERN PARK (1 WELL)

* TO BE COMPOSITED

(17) Kit Relinquished: R Johnson 9/12/91 1:35 PM
(17) Date / (17) Time
(9) Kit Received
(9) Date / (9) Time

(10) Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic X; Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Purgeable__; Unregulated Organic Pesticide · Unregulated Base Neutral Extractable · Unregulated Acid Extractable

(18) Laboratory Number: 17802

(11) Client Sample Identification:
#1
#2
#3
#4
#5
#6
#7
#8
#9
#10

(13) Collectors Signature: James Johnson ✓ Date: 9/12/91 Time: 1:30 PM
(14) Transporters Signature: [signature] Date: 9/12/91 Time: 1:47
(15) Lab Acceptance By: [signature]

Over for numbered instructions.

SSU SERVICES

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:

Druid Hills	PWS ID # 3590111
Dol-Ray	PWS ID # 3590297
Fern Park	PWS ID # 3590368

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: Dec10 1991
PO Number: B91050

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

For: COMP. SAMPLE
Date Received: Dec 6 1991

Lab Number : 18453

REPORT OF ANALYSIS

Dol-Ray

18453

Parameter	Unit	Method Detection Limit	%ACC	%PRC	
Ethylene dibromide	mg/L	0.000005	86.5	.812	<0.000005
Para-dichlorobenzene	mg/L	0.001	85.5	1.02	<0.001
Vinyl chloride	mg/L	0.001	89.8	15.7	<0.001
1,1-dichloroethene	mg/L	0.001	86.2	3.68	<0.001
1,2-dichloroethane	mg/L	0.001	81.0	.694	<0.001
1,1,1-trichloroethan	mg/L	0.001	83.9	18.9	<0.001
Carbon tetrachloride	mg/L	0.001	87.5	.099	<0.001
Trichloroethene	mg/L	0.001	88.9	.022	<0.001
Tetrachloroethene	mg/L	0.001	83.0	2.31	<0.001
Benzene	mg/L	0.001	81.6	1.69	<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. Powell, 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
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: 3590297
Public Water System Name: Dol-Ray
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: 18453
Sample Location (be specific): PLANT - #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: Jim Johnson - Operator- 780-0058

ANALYSIS INFORMATION
Extraction __/__/____
Laboratory 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

Title Technical Director

Laboratory Flowers Chemical Laboratories,Inc.

Date 12/10/91

Mail Results to the Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 0 () 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	18453	.00002	<.000005	EPA504.1	.000005	12/6/91
2969	Para-dichlorobenzene	18453	.075	<0.001	EPA502.2	0.001	12/6/91
2976	Vinyl chloride	18453	0.001	<0.001	EPA502.2	0.001	12/6/91
2977	1,1-dichloroethene	18453	0.007	<0.001	EPA502.2	0.001	12/6/91
2980	1,2-dichloroethane	18453	0.003	<0.001	EPA502.2	0.001	12/6/91
2981	1,1,1-trichloroethane	18453	0.2	<0.001	EPA502.2	0.001	12/6/91
2982	Carbon tetrachloride	18453	0.003	<0.001	EPA502.2	0.001	12/6/91
2984	Trichloroethene	18453	0.003	<0.001	EPA502.2	0.001	12/6/91
2987	Tetrachloroethene	18453	0.003	<0.001	EPA502.2	0.001	12/6/91
2990	Benzene	18453	0.001	<0.001	EPA502.2	0.001	12/6/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

FDER Lab# E83018
FDHRS LAb# 85139
NCDEHNR Lab# 256
SCDHEC Lab# 96018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1)Client	(2)Address	(3)Phone ext-
SSL.		880-0058 148

(4)Public Drinking Water ID # | (5)Public Water System Name:

(6)Project # MPO# B91050

(6)Public Water System Type: ( ) Community ( ) Non-Community ( ) Special Non-Community

	Preservative			Plastic Containers						Glass Containers					
	HNO3	ZnOAC/NaOH		60ml	125ml	250ml	500ml	1L.	Whirl-Pac Bag	40ml	250ml	500ml	1L.	2L.	4L.
(16) 5	15														

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

* - Druid Hills (2)
* Dol Ray (2)
Fern Park
B91050

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

(10)Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic X;
Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Purgeable__;
Unregulated Organic Pesticide : Unregulated Base Neutral Extractable : Unregulated Acid Extractable :

(18)Laboratory Number: 18453 V

(11)Client Sample Identification: Please Composite into 1 SAMPLE.

#1
#2
#3
#4
#5
#6
#7
#8
#9
#10

		Date	Time
(13)Collectors Signature:			
(14)Transporters Signature:			
(15)Lab Acceptance By:		12/6/91	4:04

Over for numbered instructions.

HRS

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 PM '91

12/5

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: DOL-RAY MANOR / SYSTEM I.D. NO: 3590297 / 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): North Lake Blvd & HWY 436 / Altamonte Springs

DATE AND TIME COLLECTED: 9:00 A.M. 12/4/1991

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 (Check Box) [X] Distribution [X] Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
1	WELL # 1 Raw At Plt.	0.0	6.8	0[illegible]	M	A		
2	WELL # 2 Raw At Plt.	0.0	6.9	0[illegible]1	M	A		
3	Pressure Tank At Plt.	1.5	7.3	0[illegible]2		A		
4	116 Geneive Dr. Dist.	0.8	—	0[illegible]		A		
5	ALT. CONDOMINUM R.T.	0.6	—	0[illegible]		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

HRS Form 694, Jan 91 (Obsolete previous editions which may not be used) (Stock Number 1101-000-0018-6)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. SERVICES
1000 Color Place
APOPKA, FL. 32703

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

REVIEWING OFFICIAL: JE

TITLE: DER

Druid Hills - 334

Seminole County (SSU)

Water

- 1992 FPSC Filing -

Druid 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	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

SSU SERVICES

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: Druid Hills (Bretton Woods) PWS ID #3590111

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
Division Supervisor

DBC/jlm

cc: Charles Sweat
Clara Dozier

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
SSU
1000 Color Palce
Apopka,FL 32703

Date Reported: May20 1991
PO Number: B91050
PO Number SSU
FDHRS Lab# : 83139
FDER Lab# : E83018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Dist. Water
Date Received: Mar20 1991
Lab Number : 16499

REPORT OF ANALYSIS

Druid Hills (Bathhouse)

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16499
Turbidity	NTU	0.05	100	7.37	0.41
Arsenic	mg/L	0.0005	112	9.46	0.00084
Barium	mg/L	0.01	99.6	3.14	<0.01
Cadmium	mg/L	0.001	103	.936	0.001
Chromium	mg/L	0.005	119	.223	<0.005
Fluoride	mg/L	0.05	101	1.30	0.0819
Lead	mg/L	0.001	96.0	.400	0.001
Mercury	mg/L	0.0002	100	.000	<0.0002
Nitrate(as N)	mg/L	0.01	102	9.98	0.188
Selenium	mg/L	0.0005	121	10.3	0.000574
Silver	mg/L	0.005	108	2.03	<0.005
Sodium	mg/L	0.002	105	1.01	0.161
Endrin	mg/L	0.000001	89.5	3.63	<0.000001
Lindane	mg/L	0.000001	100	5.22	<0.000001
Methoxychlor	mg/L	0.00001	91.5	11.6	<0.00001
Toxaphene	mg/L	0.0001	106	1.34	<0.0001
2,4-D	mg/L	0.00005	96.3	8.45	<0.00005
2,4,5-TP(Silvex)	mg/L	0.00002	96.5	4.40	<0.00002
Calcium	mg/L	0.1	105	.477	49.2
Chloride	mg/L	0.015	100	.612	16.3
Carbonate_CaCO3	mg/L	0.1			124.4
Hydroxide_CaCO3	mg/L	0.1			-
Copper	mg/L	0.005	112	1.61	<0.005
Bicarbonate _CaCO3	mg/L	0.1			124
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 QA and EPA approved methodology.

Jefferson S. [illegible], Ph.D.
Technical Director

Page [illegible]

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

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Palce
Apopka,FL 32703

Date Reported: May20 1991
PO Number: B91050
PO Number SSU
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: Dist. Water
Date Received: Mar20 1991 Lab Number : 16499

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16499
Iron	mg/L	0.01	119	1.93	0.095
Magnesium	mg/L	0.01	106	2.39	8.01
Manganese	mg/L	0.005	106	.407	0.042
Sulfate	mg/L	0.2	99.2	1.22	0.52
Zinc	mg/L	0.001	106	1.72	<0.001
Carbon_Dioxide	mg/L	0.1			7.7
Color	mg/L	5	-	.000	10
Total_Hardness	mg/L	0.1			156.01
NCH_as_CaCO3	mg/L	0.1			31.7
Odor(TON)	TON	1	-	.000	<1
Field_pH	pH	0.01			7.2
Lab_pH	pH	0.01	100	.337	7.51
Field Conductivity	umhos/c	0.01			633
Total Alkalinity	mg/L	0.1	99.4	.667	124
TDS	mg/L	2.5	100	.508	174
Phenolphthalein Alk.	mg/L	0.1			-
Field Temp. (C)	oC	1			22.8
Langelier Index	LI	0.01			-0.15
Saturation Index	pHs	0.01			7.66
Stability Index	pH	0.01			7.8
Foaming Agents	mg/L	0.1	99.9	.819	<0.1
Field DO	mg/L	0.1			11
Field Chlorine	mg/L	0.1			1.4
Gross Alpha	pCi/L	1			<1

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

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

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590111
Public Water System Name: Druid Hills
Public Water System Type (check one):
(X)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_X_; 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):
Laboratory Sample Number: 16499
Sample Location (be specific): _____
Sample Type (check all applicable):
( )Check (X)Regular Distribution ( )Composite
( )Clearance ( )Maximum Residence Time (X)Plant Tap
( )Raw ( )Well ( )Resample
( )Special _____
Sampler Name, Title Phone: _____

ANALYSIS INFORMATION
Extraction 4/5/91
Laboratory 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

Title Technical Director

Laboratory Flowers Chemical Laboratories,Inc.

Date 5/20/91

Mail Results to the
Appropriate DER or ACPHU Office:

_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

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	16499	1	.410	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	16499	0.05	0.00084	EPA206.3	0.0005	5/6/91
1010	Barium	16499	1	<0.1	EPA208.1	0.01	5/6/91
1015	Cadmium	16499	0.01	.00100	EPA213.1	0.001	3/22/91
1020	Chromium	16499	0.05	<0.005	EPA218.1	0.005	5/10/91
1025	Fluoride	16499	4	.0819	EPA340.1	0.05	3/26/91
1030	Lead	16499	0.05	<0.01	EPA239.2	0.001	3/22/91
1035	Mercury	16499	0.002	<0.0002	EPA245.1	0.0002	3/27/91
1040	Nitrate(as N)	16499	10	.188	EPA353.1	0.01	03-27-91
1045	Selenium	16499	0.01	.000574	EPA270.3	0.0005	5/7/91
1050	Silver	16499	0.05	<0.005	EPA272.1	0.005	4/11/91
1052	Sodium	16499	160	.161	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	16499	0.0002	<.000001	EPA508	.000001	4/5/91
2010	Lindane	16499	0.004	<.000001	EPA508	.000001	4/5/91
2015	Methoxychlor	16499	0.1	<0.00001	EPA508	0.00001	4/5/91
2020	Toxaphene	16499	0.005	<0.0001	EPA508	0.0001	4/5/91
2105	2,4-D	16499	0.1	<0.00005	EPA515	0.00005	4/5/91
2110	2,4,5-TP(Silvex)	16499	0.01	<0.00002	EPA515	0.00002	4/5/91

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	16499		49.2	EPA215.1	0.1	4/10/91
1017	Chloride	16499	250	16.8	EPA300.0	0.015	03-25-91
1019	Carbonate CaCO3	16499		124.4	SM314A	0.1	4/10/91
1021	Hydroxide CaCO3	16499		0.0	SM406C	0.1	4/10/91
1022	Copper	16499	1	<0.005	EPA220.1	0.005	3/21/91
1023	Bicarbonate CaCO3	16499		124.0	SM406C	0.1	4/10/91
1026	Carbonate Alkalinity	16499		0.4	SM406C	0.1	4/10/91

1027	Hydrogen Sulfide	16499			EPA376.1	0.5	
1028	Iron	16499	0.3	.0950	EPA236.1	0.01	3/21/91
1031	Magnesium	16499		8.10	EPA242.1	0.01	4/10/91
1032	Manganese	16499	0.05	.0420	EPA243.1	0.005	3/25/91
1055	Sulfate	16499	250	6.52	EPA300.0	0.200	3/28/91
1095	Zinc	16499	5	<0.001	EPA289.1	0.001	3/21/91
1901	Carbon Dioxide	16499		7.7	SM406C	0.1	4/10/91
1905	Color	16499	15	10.0	EPA110.1	5	3/27/91
1915	Total Hardness	16499		156.1	SM314A	0.1	4/10/91
1917	NCH as CaCO3	16499		31.7	SM314A	0.1	4/10/91
1920	Odor(TON)	16499	3	<1	EPA140.1	1	3/27/91
1924	Field pH	16499	6.5-8.5	7.2	EPA150.1	0.01	
1925	Lab pH	16499	6.5-8.5	7.51	EPA150.1	0.01	3/22/91
1926	Field Conductivity	16499		633.0	-	0.01	
1927	Total Alkalinity	16499		124	EPA310.1	0.1	3/29/91
1930	TDS	16499	500	174	EPA160.1	2.5	3/22/91
1931	Phenolphthalein Alk.	16499			EPA310.1	0.1	
1996	Field Temp. (C)	16499		22.8	-		1 4/10/91
1997	Langelier Index	16499	-0.2:+0.2	-0.1	SM203	0.01	4/10/91
1998	Saturation Index	16499		7.7	SM203	0.01	4/10/91
1999	Stability Index	16499		7.8	SM203	0.01	4/10/91
2909	Foaming Agents	16499	0.5	<0.1	EPA425.1	0.1	4/1/91
9996	Field DO	16499		11.0	-	0.1	
9997	Field Chlorine	16499		1.4	-	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	16499	5	<1	EPA900	1	5/20/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD

CLIENT	ADDRESS	PHONE
SSJ	1000 Cobia Place Apopka Fla	880-0100

PROJECT NAME	REQUIRED	DATE
391050	☐ Urgent ☒ Routine	3/20/91

Sample Containers QTY	Preservative							Plastic Containers							Glass Containers						
	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	X										X										
1												X									
1																			X		
1	X										X										

NOTES: 2 Plastic 25 singles

Kit Relinquished:	Date: Time:	Kit Received:	Date: Time:
James Johnson	3/20/91 1:05		

Parameters: Primary Pac Sec GA

Laboratory Number	Client Identification/Description
16499	Drum 14:11s (Burton Wells) 3590111
	[redacted]
	Field Conditions:
	Cl2 1.4 DO 11 mg/L
	pH 7.2 Conductivity 633
	Temp 73°F

		Date	Time
Sample Collection:	James Johnson	3/19/91	4:15 pm
Transportation:			
Lab Acceptance:		3/20/91	11:40

Page _____ of _____

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

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P O BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS 407 339-5984

Brochure Dwg
File

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: Mar15 1991 Lab Number : 16493

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16493
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-trichloroethan	mg/L	0.001	92.2	2.16	<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-trichloropropa	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

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

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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# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLES
Date Received: Mar15 1991 Lab Number : 16493

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16493
Bromoform	mg/L	0.001	88.0	1.93	<0.001
Bromodichloromethane	mg/L	0.001	93.3	1.21	<0.001
Dibromochloromethane	mg/L	0.001	91.6	.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
1,1,2,2-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	93.8	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	.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

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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: Mar15 1991 Lab Number : 16493

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16493
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.

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Technical Director

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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: Mar15 1991 Lab Number : 16493

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16493
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	101	3.56	<0.001
2-chlorophenol	mg/L	0.001	100	2.54	<0.001
2-methyl-4,6-dinitop	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 FDL QA and EPA approved methodology.

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PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590111
Public Water System Name Druid Hills
Public Water System Type (check one):
(X)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_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 16493
Sample Location (be specific): _____
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone:_____

ANALYSIS INFORMATION
Extraction Date 3/29/91
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 4/3/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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	Dichlorodifluoromethan	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,-dichloroprop	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-chloropr	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-dichloroethyl	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-tetrachloroetha	16493		<0.001	EPA502.2	0.001	3/29/91
2988	1,1,2,2-tetrachloroetha	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	<0.001	EPA502.2	0.001	3/29/91
2992	Ethylbenzene	16493	<0.001	EPA502.2	0.001	3/29/91
2993	Bromobenzene	16493	<0.001	EPA502.2	0.001	3/29/91
2995	m-xylene	16493	<0.001	EPA502.2	0.001	3/29/91
2996	Styrene	16493	<0.001	EPA502.2	0.001	3/29/91
2997	o-xylene	16493	<0.001	EPA502.2	0.001	3/29/91

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	16493		<.000001	EPA515	.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		<0.00007	EPA515	0.00007	4/2/91
2041	Dinoseb	16493		<0.00001	EPA515	0.00001	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		<.000005	EPA508	.000005	3/20/91
2356	Aldrin	16493		<0.00007	EPA508	0.00007	3/20/91
2364	Dieldrin	16493		<0.00001	EPA508	0.00001	3/20/91
2440	Dicamba	16493		<0.00001	EPA515	0.00001	4/2/91
2959	Chlordane	16493		<0.00001	EPA508	0.00001	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	Hexachlorocyclopentadie	16493		<0.001	EPA508	0.001	4/2/91
2063	Dioxin	16493		<0.00001	EPA613	0.00001	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)phthal	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	Dioctylphthalate	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-dinitophe	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:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

ANALYTICAL & CONSULTING CHEMISTS

CHAIN OF CUSTODY RECORD

CLIENT	ADDRESS	PHONE
SSJ Apopka Fla. 32703	% 1000 Color Place	880-0100

PROJECT NAME:	REQUIRED:	DATE
B91050	☐ Urgent ☒ Routine	3/15/91

Sample Containers	Preservative							Plastic Containers							Glass Containers							NOTES:
QTY	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		5 wells
1																				X		1 sample =
10															X							3 pkgs
																						NO AIR Bubbles

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

Parameters: Rad Unites

Laboratory Number	Client Identification/Description
	Composite Samples Raw Water
16493	Well #1 3590111
	Druid Hills Well #1 } 2 wells per well
	Well 2 }
	Dal-Ray Well 1 } 3590397
	Well 2 }
	Fern Park Well 1 3590368

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

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) 339-5984
FAX (407) 260-6110

S S U
SERVICES

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
Druid Hills PWS ID #3590111
Dol Ray PWS ID #3590297
Fern Park PWS ID #3590368

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

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 : 17195

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17195
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-trichloroethan	mg/L	0.001	101	4.48	<0.001
Carbon tetrachloride	mg/L	0.001	99.5	4.29	<0.001
Tr chloroethene	mg/L	0.001	99.7	3.99	<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.

Jeffrey [illegible] Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 950597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS (407) 339-5964
FAX (407) 260-0119

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590111
Public Water System Name Br Hollow Woods (Druid Hills)
Public Water System Type (check one):
(X)Commun ( )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 17195
Sample Location (be specific): #1 & #2 wells
Sample Type (check all applicable):
( )Check ( )Regular Distribution ( )Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)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 SUBMITTEC 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 Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/8 () 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:

FDER Lab ID
FDHRS Lab ID
RECEIPT Lab ID
RECEIVED Lab ID

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1) Client	(2) Address	(3) Phone
S.S.U. Services	1000 Color Place Apopka Fl 32703	880-0058

(4) Public Drinking Water ID # 3590111 (5) Public Water System Name: Bretton Woods
(6) Project # (7) Public Water System Type
(8) PO# [X] Community [ ] Non-Community [ ] Special Non-Community

Preservative			Plastic Containers					Glass Containers					
HNO3	ZnOAC/NaOH		60ml	125ml	250ml	500ml	1L	Amber-Plas Bag	40ml	250ml	500ml	1L	2L	4L

(9) Turn Around Time:
10 Working Days:
5 Working Days :
2 Working Days :
1 Working Day :
Other :

(11) Relinquished: (12) Date (13) Received James Johnson (14) Date 6/14/91
(15) Time (16) Time 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, [X] raw, ([X] well, ( ) resample _____, ( ) special _____
SAMPLER'S NAME: James Johnson TITLE: Operator PHONE: 880-0058
SAMPLER'S SIGNATURE: James Johnson
NOTES:
VOC's Composite
2 wells @ Bretton Woods

(17) Parameter Group(s) Analyzed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic X
Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Pesticide__; Unregulated Organic Pesticide__; Unregulated Base (Neutral Extractable__; Unregulated Acid Extractable__

(18) Laboratory Number	(19) Client Sample Identification
	#1
19195	#2
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

(20) Collectors Signature: James Johnson Date 6/20/91 Time 11:00 AM
(21) Transporters Signature: [signature] 6/20/91 11:10 AM
(22) Lab Acceptance By:

SSU SERVICES

Charles L. Sweat
Vice President—Operations

General Offices
1000 Color 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: Seminole County PW
Druid Hills PWS ID #3590111
Dol-Ray Manor PWS ID #3590297
Fern Park PWS ID #3590368

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

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: Sep17 1991
PO Number: B91050

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

For: COMP. SAMPLE
Date Received: Sep12 1991 Lab Number : 17802

REPORT OF ANALYSIS

Druid Hills

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17802
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-trichloroethan	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

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 407 260-8110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590111
Public Water System Name Druid Hills
Public Water System Type (check one):
(X)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 17802
Sample Location (be specific): PLANT #1 & #2 wells
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special
Sampler Name, Title Phone: James Johnson - Operator- 980-0058

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 9/16/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/9 () 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	17802	.00002	<.000005	EPA504.1	.000005	9/16/91
2969	Para-dichlorobenzene	17802	.075	<0.001	EPA502.2	0.001	9/13/91
2976	Vinyl chloride	17802	0.001	<0.001	EPA502.2	0.001	9/13/91
2977	1,1-dichloroethene	17802	0.007	<0.001	EPA502.2	0.001	9/13/91
2980	1,2-dichloroethane	17802	0.003	<0.001	EPA502.2	0.001	9/13/91
2981	1,1,1-trichloroethane	17802	0.2	<0.001	EPA502.2	0.001	9/13/91
2982	Carbon tetrachloride	17802	0.003	<0.001	EPA502.2	0.001	9/13/91
2984	Trichloroethene	17802	0.003	<0.001	EPA502.2	0.001	9/13/91
2987	Tetrachloroethene	17802	0.003	<0.001	EPA502.2	0.001	9/13/91
2990	Benzene	17802	0.001	<0.001	EPA502.2	0.001	9/13/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

FCER Lab# E83018
FCHRS Lab# 88139
NCDEHNR Lab# 256
SCDHEC Lab# 89018

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

Don Coeder

(1)Client	(2)Address	(3)Phone
SSU	1000 Color Place Apopka, Fl. 32703	880-0058

(4)Public Drinking Water ID # (3) Systems (5)Public Water System Name: See Below

(6)Project #
MPO# B91050

(8)Public Water System Type
X Community ( ) Non-Community ( ) Special Non-Community

	Preservative			Plastic Containers					Glass Containers						NOTES:
	HNO3	H2SO4/NaOH		60ml	125ml	250ml	500ml	1L	Whirl Pac Bag	40ml	250ml	500ml	1L	2L	3L	(12)Turn Around Time: 10 Working Days: 5 Working Days : 3 Working Days : 1 Working Day : Other :
(16)																
1										X						
2																
3																
4																
5																
6																
7																
8																
9																
10																

Druid Hills (2 wells)
Dol-Ray (2 wells)
Fern Park (1 well)
* To be composited.

(17)Kit Relinquished:	(17)Date	(9)Kit Received	(9)Date
James Johnson	9/12/91		
	1:35pm (17)Time		(9)Time

(10)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__

(18)Laboratory Number
17802

(11)Client Sample Identification

#1
#2
#3
#4
#5
#6
#7
#8
#9
#10

		Date	Time
(13)Collectors Signature:	James Johnson ✓	9/12/91	1:30pm
(14)Transporters Signature:			
(15)Lab Acceptance By:		9/12/91	1:43

Over for numbered instructions.

RC

SSU SERVICES

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:

Druid Hills	PWS ID # 3590111
Dol-Ray	PWS ID # 3590297
Fern Park	PWS ID # 3590368

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: Dec10 1991
PO Number: B91050

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

For: COMP. SAMPLE
Date Received: Dec 6 1991 Lab Number : 18453

REPORT OF ANALYSIS

Druid Hills

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18453
Ethylene dibromide	mg/L	0.000005	86.5	.812	<0.000005
Para-dichlorobenzene	mg/L	0.001	85.5	1.02	<0.001
Vinyl chloride	mg/L	0.001	89.8	15.7	<0.001
1,1-dichloroethene	mg/L	0.001	86.2	3.68	<0.001
1,2-dichloroethane	mg/L	0.001	81.0	.694	<0.001
1,1,1-trichloroethan	mg/L	0.001	83.9	18.9	<0.001
Carbon tetrachloride	mg/L	0.001	87.5	.099	<0.001
Trichloroethene	mg/L	0.001	88.9	.022	<0.001
Tetrachloroethene	mg/L	0.001	83.0	2.31	<0.001
Benzene	mg/L	0.001	81.6	1.69	<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
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS. (407) 339-6984
FAX (407) 260-6110

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3590111
Public Water System Name: Druid Hills
Public Water System Type (check one):
(M)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: 18453
Sample Location (be specific): PLANT - #1 + #2 Wells
Sample Type (check all applicable):

( )Check	( )Regular Distribution	(M)Composite
( )Clearance	( )Maximum Residence Time	( )Plant Tap
(M)Raw	(M)Well	( )Resample
( )Special_____		

Sampler Name, Title Phone: Jim Johnson - Operator- 980-0058

ANALYSIS INFORMATION
Extraction ___/___/____
Laboratory 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**

Title **Technical Director**

Laboratory **Flowers Chemical Laboratories,Inc.**

Date 12/10/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 0 () 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	18453	.00002	<.000005	EPA504.1	.000005	12/6/91
2969	Para-dichlorobenzene	18453	.075	<0.001	EPA502.2	0.001	12/6/91
2976	Vinyl chloride	18453	0.001	<0.001	EPA502.2	0.001	12/6/91
2977	1,1-dichloroethene	18453	0.007	<0.001	EPA502.2	0.001	12/6/91
2980	1,2-dichloroethane	18453	0.003	<0.001	EPA502.2	0.001	12/6/91
2981	1,1,1-trichloroethane	18453	0.2	<0.001	EPA502.2	0.001	12/6/91
2982	Carbon tetrachloride	18453	0.003	<0.001	EPA502.2	0.001	12/6/91
2984	Trichloroethene	18453	0.003	<0.001	EPA502.2	0.001	12/6/91
2987	Tetrachloroethene	18453	0.003	<0.001	EPA502.2	0.001	12/6/91
2990	Benzene	18453	0.001	<0.001	EPA502.2	0.001	12/6/91

Comments:

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

FDER Lab# E83018
FDHRS LAb# 83130
NCDEHNR Lab# 256
SCDHEC Lab# 99019

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

(1)Client	(2)Address	(3)Phone
SSU.		880-0058 ext-148

(4)Public Drinking Water ID # | (5)Public Water System Name:

(6)Project #

(7)PO# B91050

(8)Public Water System Type
( ) Community ( ) Non-Community ( ) Special Non-Community

	Preservative		Plastic Containers						Glass Containers					
	HNO3	ZnOAC/NaOH	60ml	125ml	250ml	500ml	1L	Whirl-Pac Bag	40ml	250ml	500ml	1L	2L	4L
(16) 5 15														

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

*-Druid Hills (2)
* Dol Ray (2)
Fern Park
B91050

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

(10)Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volitile Organic X;
Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Purgeable__;
Unregulated Organic Pesticide__ : Unregulated Base Neutral Extractable__ : Unregulated Acid Extractable :

(18)Laboratory Number

18453 #1

#2
#3
#4
#5
#6
#7
#8
#9
#10

(11)Client Sample Identification

Please Composite into 1 SAMPLE.

		Date	Time
(13)Collectors Signature:			
(14)Transporters Signature:			
(15)Lab Acceptance By:		12/6/91	4:04

Over for numbered instructions.

HRS

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

FOR LAB USE ONLY

DEC 4 2 19 91

1 of 5

DRINKING WATER
BACTERIOLOGICAL ANALYSIS

SYSTEM NAME: BRETTON WOODS (Druid Hills) SYSTEM I.D. NO: 3590111 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): 192 FLAME AVE. / ALTAMONTE SPRINGS

DATE AND TIME COLLECTED: 10:00 A.M. 12/4/1991

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 (Check Box) (X Distribution [X Raw Repeat Replacement (Check Box) [ ] TNTC or C [ ] Turbid [ ] Main clearance Well survey Other _____ (Specify)

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	*TOTAL	CONFIRM TOTAL	CONFIRM FECAL
6	WELL # 1 Raw At Plant	0.0	6.9	0[illegible]0		A		
7	WELL # 2 Raw At Plt.	0.0	6.7	0[illegible]1		A		
8	PRESSURE TANK AT Plt.	1.5	7.1	0[illegible]2		A		
9	1412 Oranole Rd. Dist.	0.8	—	0[illegible]3		A		
10	ORANGEWOOD PRESBYTERIAN CHURCH R.T.	0.6	—	0[illegible]4		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

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

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

S.S.U. SERVICES
1000 Color Place
APOPKA, FL. 32703

REVIEWING OFFICIAL: [signature]

TITLE: DEC

HRS Form 888, Jan 91 (Obsolete previous editions which may be used) (Stock Number: 5760-000-0018-6)

East Lake Harris Estates - 557

Lake County (SSU)

Water

- 1992 FPSC Filing -

East Lake Harris 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	1/91
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

SSU SERVICES

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

May 3, 1991

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

Re: Morningview PWS ID #3350852
Friendly Center PWS ID #3350426
East Lake Harris PWS ID #3350322
Carlton Village PWS ID #3350152

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
District Supervisor

DBC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

Serving customers of the Citrus Springs, Deltona, Marco Island, Marion Oaks, Pine Ridge, St. Augustine Shores, Seacoast Utilities, Sugar Mill, Tierra Verde, Venetian Golf & River Club, Venice Gardens Utilities

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 # : 91-01-206
Date Received: 01/16/91
Date Reported: 01/31/91
OLI Contact: L_BALTZLEY

Work ID: 5 separate locations (East Lake Hovers)
Total Samples: 3
PWS ID# 3350322

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Composite #1	1_COMP Composite Data For Samples
02 Trip Blank	PWS028 Volatile Organic Analysis
03 Method Blank	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.

Acting
LABORATORY DIRECTOR

Eric Malarek
QUALITY CONTROL

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3350322
Public Water System Name: East Lake Harris
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 HEARBY CERTIFY that all data submitted is correct.

Signature Eric Malarek

Name Eric Malarek

Title Quality Control Officer

Laboratory Orlando Laboratories, Inc.

Date 1/21/91

Mail Results to the Appropriate DER or ACPHU Office:

DER/ACPHU Reviewing Official

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

ORLANDO LABORATORIES,INC. REPORT OF ANALYSIS Work Order # 91-01-206
Received: 01/16/91 Results by Sample

SAMPLE ID	Composite #1	SAMPLE#	01A
DATE COLLECTED	not specified	MATRIX	WATER
TEST NAME	Composite Data For Samples	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: 01/15/91

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
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 ethene			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	Picloram			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(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
2042	Hexachlorocyclo-pentadiene			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	Dinbutylphthalate			0.01000 U	EPA 625	0.01000	01/19/91
2294	Butyl benzyl phathalate			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# D1A
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	01/19/91
9112	2-methyl-4,6-dinito 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
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(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 Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 03A
MATRIX METHOD BLAN
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 Method Blank
DATE COLLECTED not specified
TEST NAME Unreg-Organic Purgeable

SAMPLE# 03A
MATRIX METHOD BLAN
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 ethene			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. REPORT OF ANALYSIS Work Order # 91-01-206
Received: 01/16/91 Results by Sample

SAMPLE ID Method Blank SAMPLE# 03A
DATE COLLECTED not specified MATRIX METHOD BLAN
TEST NAME Unreg-Organic Pesticides 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	01/17/91
2040	Picloram			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-Base Neutral Extract

SAMPLE# 03A
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	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	Dinbutylphthalate			0.01000	U	EPA 625	0.01000	01/19/91
2294	Butyl benzyl phathalate			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 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(mg/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-dinito 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 ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
REPORT DATE : 01-18-1991

LAB SAMPLE # : 9101206-01A
ANALYSIS DATE : 01/18/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ETHYLENE DIBROMIDE	100	0	66	66	60	60	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 : 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 : 01-23-1991

LAB SAMPLE # : 9101178-03A
ANALYSIS DATE : 01/23/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ALDICARB	100	0	117	117	108	108	8

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 : 01-20-1991

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 (silvex)	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 (silvex)	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	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, DUE TO MATRIX INTERFERENCE.

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 : 01-18-1991

LAB SAMPLE # : 9101203-01A
ANALYSIS DATE : 01/17/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
ALACHLOR	100	0	96	96	110	110	14

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	AMOUNT 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

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

1 INVOICE TO (COMPANY AND INDIVIDUAL)	ADDRESS (CITY, STATE, ZIP)	2 CONTACT PERSON/PHONE # INVOICE	3 OLI WORK ORDER # (LAB USE)
S.S.D. Services	1000 Color Pl Apopka FL		9101206
4 ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL)	**ADDRESS (CITY, STATE, ZIP)**	**5 CONTACT PERSON/PHONE # REPORT**	**6 RE NUMBER (LAB USE)**
AARON Perlowich			
7 (OPTIONAL) ADDITIONAL REPORTS SENT TO	**ADDRESS (CITY, STATE, ZIP)**		
8 CLIENT PROJECT NAME		**9 CLIENT PROJECT #**	

10 SAMPLE IDENTIFICATION	11 DATE/TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	17 NUMBER OF CONTAINERS	18 REQUESTED ANALYSIS 125 V-O	19 REMARKS
Friendly Center	1/16 10:00			✓						Composite all 5 samples into 1 sample
Carlton Vil #1	1/16 10:00			✓						
Carlton Vil #2	1/16 10:00			✓						
Morning View	1/16 9:00			✓						
East Lk Harris	1/16 11:00			✓						

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY
1st	Client	1/16 13:00	
2nd			
3rd			

20 ADDITIONAL REMARKS

21 COOLER #'s

22 SAMPLER'S SIGNATURE

ORIGINAL - LAB

1018

ORLANDO LABORATORIES INC

MORs

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

Southern States Utilities
1000 Color Place
Apopka, Florida 32703

Attn: Aaron Perlowich

Work Order # : 91-01-205
Date Received: 01/16/91
Date Reported: 01/24/91
OLI Contact: L_BALTZLEY

Work ID: East Lake Harris PWS ID# 3350322
Total Samples: 2

Sampling information is based on data supplied by Client

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
01 Well #1	PWS026 Turbidity Analysis
02 Method Blank	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 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.

Acting
LABORATORY DIRECTOR

Eric Halarek
QUALITY CONTROL

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3350322
Public Water System Name: East Lake Harris
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: 91-01-205
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 HEREBY 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 # 91-01-205

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 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	01/18/91

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-205

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 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(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 # 91-01-205

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 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	01/17/91
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			6.40	EPA 200.7	0.001	01/18/91

Comments:

ORLANDO LABORATORIES,INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-205

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 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(mg/l)	Analytical Method	Det. Lt. Used	Analysis Date
1016	Calcium			38.0	EPA 200.7	0.1	01/18/91
1017	Chloride			9.2	SM 407	1.0	01/22/91
1019	Carbonate CaCO3			NOT ANALYZED			
1021	Hydroxide CaCO3			NOT ANALYZED			
1022	Copper			<0.010	EPA 200.7	0.010	01/18/91
1023	Bicarbonate CaCO3			NOT ANALYZED			
1025	Fluoride			0.12	EPA 340.2	0.1	01/21/91
1026	Bicarbonate HCO3			NOT ANALYZED			
1027	Hydrogen Sulfide			NOT ANALYZED			
1028	Iron			<0.100	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			<1.0	EPA 375.4	1.0	01/22/91
1095	Zinc			<0.050	EPA 200.7	0.050	01/18/91
1901	Carbon Dioxide			2.7	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			94.0	EPA 200.7	0.050	01/18/91
1917	NCH as CaCO3			NOT ANALYZED			
1920	Odor			2.0	EPA 140.1	1	01/18/91
1924	Field pH (units)			6.8			
1925	Lab pH (units)			7.88	EPA 150.1	N/A	01/18/91
1926	Field Conductivity			504			

ORLANDO LABORATORIES,INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-205
Continued From Above

SAMPLE ID Well #1
DATE COLLECTED 01/16/91 11:00:00
TEST NAME Secondary Chem. Analysis

SAMPLE# 01A
MATRIX WATER
TEST CODE PWS031

*** Contiued 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	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)			25.2			
1997	Langlier Index pHs			7.79	CALC	N/A	01/22/91
1998	Saturation Index			0.09	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			2.4			
9997	Field Chlorine			1.0			

Comments:

ORLANDO LABORATORIES, INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-205

SAMPLE ID Well #1
DATE COLLECTED 01/15/91 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		0.6	EPA 900.0	+/- 1.3	01/23/91
4006	Total Uranium		N/A			
4010	Total Radium		N/A			
4020	Radium-226		N/A			
4030	Radium-228		N/A			
4100	Gross Beta		1.6	EPA 900.0	+/- 1.2	01/23/91

Comments:

ORLANDO LABORATORIES,INC.
Received: 01/16/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-01-205

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	01/17/91
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:

Southern States Utilities
Attn: Aaron Perlowich

Report No: 91-01-205
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	JAB
Gross Beta	2.8	109	01/23/91	JAB

NOTE: The duplicates for Gross Alpha & Gross Beta are reported as actual difference rather than percent difference as specified.

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	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	128	128	85	85	34 *
4,4-DDT	100	0	114	114	86	86	28 *

COMMENTS : * = parameter outside QC limits, DUE TO MATRIX INTERFERENCE.

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 : 01-20-1991

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	185	185	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

1031

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 _____ of _____

1 INVOICE TO (COMPANY AND INDIVIDUAL) ADDRESS (CITY, STATE, ZIP)	2 CONTACT PERSON/PHONE # INVOICE	3 OLI WORK ORDER # (LAB USE)
SSU Services 1000 Color Place Apopka, Fla.	1-800-432-4501	9101205
4 ORIGINAL REPORT TO (COMPANY AND INDIVIDUAL) ADDRESS (CITY, STATE, ZIP)	**5 CONTACT PERSON/PHONE # REPORT**	**6 RB NUMBER (LAB USE)**
Aaron Perlowich Same as above	Same as above	2993
7 (OPTIONAL) ADDITIONAL REPORTS SENT TO ADDRESS (CITY, STATE, ZIP)	**17 NUMBER OF CONTAINERS**	**18 REQUESTED ANALYSIS**
8 CLIENT PROJECT NAME	**9 CLIENT PROJECT #** East Lk. Henri's	

10 SAMPLE IDENTIFICATION	11 DATE/TIME	12 COMP	GRAB	WATER	SOIL	OTHER	13 SAMPLE DESCRIPTION	19 REMARKS
	(1/6/91) 11:00am		✓	✓				

TRANSFER NUMBER	14 RELINQUISHED BY	15 DATE/TIME	16 ACCEPTED BY
1st	[signature]	1/9 12:00	
2nd	John D. Rinaldi	1/16 1:00	Deedee Homan
3rd			

20 ADDITIONAL REMARKS

21 COOLER #'s 98

22 SAMPLER'S SIGNATURE

ORIGINAL - LAB

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:

SSU
1000 Color Place
Apopka,FL 32703

Date Reported: Apr30 1991
PO Number: 111402

PO Number SSU
FDHRS Lab# : 83139
FDER Lab# : EB3018
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE
Date Received: Apr18 1991 Lab Number : 16697

REPORT OF ANALYSIS

Esethaka Harris
2nd. Qtr.

Parameter	Unit	Method Detection Limit	%ACC	%PRC	16697
Ethylene dibromide	mg/L	0.000005	116	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-trichloroethan	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.

Jeffrey S. Flowers, Ph.D.
Technical Director

Page 1 of 1

Jefferson L. Rowell, P.E.
Jefferson L. Rowell, P.E.
481 NEWBURYPORT
P.O. BOX 150
BELMONT, [illegible]

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number: 3350322
Public Water System Name: East Lake Harris
Public Water System Type (check one):
(X)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 16697
Sample Location (be specific): _____
Sample Type (check all applicable):
( )Check ( )Regular Distribution (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)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 4/29/91

Mail Results to the Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Official:

_____

PWSA 01 Sample Interpretation (check one):
Effective 06/01/8 ( ) 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:

S S U
SERVICES

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

Donald B. Corder

Don Corder
General Supervisor

DC/jlm

cc: Charles Sweat
Frank Sanderson
Ralph Terrero
Clara Dozier
File

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
NCDEHNR Lab# : 296
SCDHEC Lab# : 96019

For: COMP. SAMPLE
Date Received: Jul31 1991 Lab Number : 17419

REPORT OF ANALYSIS

Earthlike Homes

Parameter	Unit	Method Detection Limit	%ACC	%PRC	17419
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-trichloroethan	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

431 NEWBURYPORT
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 SY STEM INFORMATION
Public Water System I.D. Number: 3350322
Public Water System Name East Lake Harris
Public Water System Type (check one):
(X)Commun ( )Non-community ( )Special Non-community

LABORATORY CERTIFICATION INFORMATION
Lab Certification Number: HRS 83139
Parameter Group(s) Analyzi 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 (X)Composit
( )Clearance ( )Maximum Residence Time ( )Plant Tap
(X)Raw (X)Well ( )Resample
( )Special_____
Sampler Name, Title Phone: Lance Shoulders

ANALYSIS INFORMATION
Extraction Date ___/___/____
Laboratory Cont Dr. J.S. Flowers
Resample Requested? (che ()Yes (X) No
ANALYSIS SUBMITTEL 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 8/7/91

Mail Results to the Appropriate DER or ACPHU Office:

DER /ACPHU Reviewing Offical:

PWSA.01 Sample Interpretation (check one):
Effective 06/01/ () 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:

[redacted]

LABORATORY

FDER Lab
FDHRS Lab
NCDEHNR Lab
SCDHEC Lab

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

Attn: Don Corder

(1) Client: SSU Services
(2) Address:
(3) Phone:
(4) Public Drinking Water ID #:
(5) Public Water System Name:
(6) Project #:
(7) PO# 23255
(8) Public Water System Type: ( ) Community ( ) Non-Community ( ) Special Non-Community

(9)	Preservative			Plastic Containers						Glass Containers						NOTES:
	HNO3	ZnOAC/NaOH		60ml	125ml	250ml	500ml	1L	Whirl-Pak Bag	40ml	250ml	500ml	1L	2L	4L	(10) Turn Around Time:
16										X						10 Working Days:
																5 Working Days :
																3 Working Days :
																1 Working Day :
																Other :

5 wells
PLZ Composite

(11) Kit Relinquished: (12) Date (12) Time
( ) Kit Received ( ) Date ( ) 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:

VOA → Carlton Village 555, 562 Friendly Center, 556 Morning View, 557 East Lake Harris.

(13) Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic X
Organic Chemical__; Secondary Chemical__; Radiological__; Unregulated Organic Purgeable__;
Unregulated Organic Pesticide__; Unregulated Base Neutral Extractable__; Unregulated Acid Extractable__;

(14) Laboratory Number	(15) Client Sample Identification
17419	#1
	#2
	#3
	#4
	#5
	#6
	#7
	#8
	#9
	#10

		Date	Time
(16) Collectors Signature:	[signature]	7-31-91	15:45
(17) Transporters Signature:	[signature]	7-31-91	3:45
(19) Lab Acceptance by:	[signature]	7/31/91	

S S U
SERVICES

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

October 28, 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
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 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

FLOWERS

CHEMICAL LABORATORIES INCORPORATED

Received From:
SSU
1000 Color Place
Apopka, FL 32703

Date Reported: Oct21 1991
PO Number: L114551
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

Parameter	Unit	Method Detection Limit	%ACC	%PRC	18035
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-trichloroethan	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 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) 260-6190

PUBLIC DRINKING WATER ANALYSIS REPORTING FORMAT

PUBLIC WATER SYSTEM INFORMATION
Public Water System I.D. Number:_____
Public Water System Name CARLTON Village
Public Water System Type (check one):
( )Commun ( )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 18035
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 10/19/91

Mail Results to the
Appropriate DER or ACPHU Office:
_____
_____
_____
_____

DER /ACPHU Reviewing Offical:

_____

PWSA.C1 Sample Interpretation (check one):
Effective 06/01/8 () 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:

[redacted]

CHEMICAL LABORATORIES INCORPORATED

FDER Lab [redacted]
FDHRS Lab [redacted]
NELAP/HRS Lab [redacted]
SEDHRC Lab [redacted]

ANALYTICAL & CONSULTING CHEMISTS
CHAIN OF CUSTODY RECORD
DRINKING WATER 17-550

ATTN: Don Carder

(1)Client	(2)Address	(3)Phone
SSO	1000 Color Place Apopka, FL 32703	880-0058

(4)Public Drinking Water ID # | (5)Public Water System Name:

(6)Project #: PO# L114551

(8)Public Water System Type: (X) Community ( ) Non-Community ( ) Special Non-Community

	Preservative		Plastic Containers						Glass Containers						NOTES:
	HNO3	ZnOAC/NaOH	40ml	125ml	250ml	500ml	1L	White Pac 8oz	40ml	250ml	500ml	1L	2L	4L	
(16) 15									X						Carlton Village (2 wells) E. LK. Harris (1 well) Friendly Center (1 well) Morningview (1 well)

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

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

(10)Parameter Group(s) Analysed: Turbidity__; Inorganic__; Trihalomethane__; Volatile Organic X; 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
8035	#1 #555 W/#1 - 3 #2 #[illegible] W/#2 - 3 #3 #557 W - 3 #4 #556 W - 3 #5 #562 W - 3 #6 #7 #8 #9 #10

		Date	Time
(13)Collectors Signature:	Brian Hutt	10/16/91	
(14)Transporters Signature:	[illegible]	10-16-91	
(15)Lab Acceptance By:	[illegible]	10/16/91	3:44

Over for numbered instructions.

HRS

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

RECEIVED
DEC 17 1991
BY: C. RAZANIS

LAB NO. 13003
PROGRAM USE ONLY

DRINKING WATER BACTERIOLOGICAL ANALYSIS

#557

12/12

SYSTEM NAME: East Lake Harris SYSTEM I.D. NO: 3350322 SYSTEM PHONE #: 904-787-4504

ADDRESS: Woodland COUNTY: Lake DER DISTRICT: Central

COLLECTOR: Donnie W. Moss COLLECTOR PHONE #: 904-326-4420

SAMPLE SITE (Locality or Subdivision): Astatula

DATE AND TIME COLLECTED: 12/10/91 2:30pm

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 [ ] Turbid
[ ] Raw [ ]

REMARKS:

TO BE COMPLETED BY COLLECTOR OF SAMPLE				TO BE COMPLETED BY LAB				
				ANALYSIS METHOD:	MF	MTF	MMO-MUG	PA
COLL. NO.	SAMPLE POINT (Specific Address)	Cl RES'D	pH	SAMPLE NUMBER	NON COLIFORM	TOTAL	CONFIRM TOTAL	CONFIRM FECAL
W	Well	0.		053310		A		
T	Tank	1.2	7.0	053311		A		
R-1	26002 Zinnia	1.0		053312		A		
R-2	13620 Palm	.9		053313		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

HRS Form 665, Jan 91 (Obsolete previous editions which may not be used) (Stock Number 5760-000-0665-1)

NAME AND MAILING ADDRESS OF PERSON/FIRM TO RECEIVE REPORT

SSU Seminar
1000 Color Place
Apopka, Florida 32703

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

REVIEWING OFFICIAL: JR

TITLE: DER