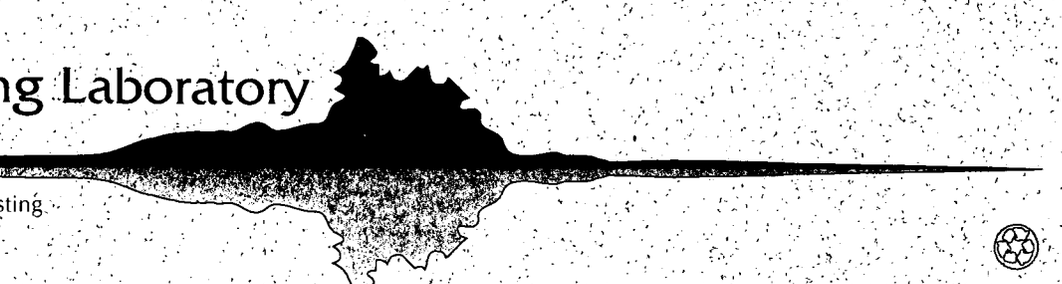
Central Testing Laboratory



Engineering and Materials Testing

LEESBURG ◦ FLORAL CITY ◦ OCALA

4060C00092
WAC 53008

SECOND 2000
GROUNDWATER MONITORING REPORT

SUMTER COUNTY SOLID WASTE

SUMTERVILLE, SUMTER COUNTY, FLORIDA

33P9

CENTRAL TESTING LABORATORY

0084001.300
JUNE 2000

RECEIVED
JUL 21 2000
Solid Waste Section

DEP Form # 62-522.900(2)

Form Title GROUND WATER MONITORING REPORT

Effective Date

DEP Application No.

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Sumter County Solid Waste Management Facility

Address 319 E. Anderson Avenue

City Bushnell Zip 33513

Telephone Number (352) 793-0240

(2) The GMS Identification Number 4060C00092

(3) DEP Permit Number 22926-002-SF

(4) Authorized Representative Name Garry Breedon

Address 319 E. Anderson Avenue

City Bushnell Zip 33513

Telephone Number (352) 793-0240

(5) Type of Discharge

(6) Method of Discharge Groundwater Slow Rate Infiltration

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 6/9/00

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 92011G

Analytical Lab Comp QAP #/HRS Certification # 860008G

Comp QAP #/HRS Certification # E83018 & 83139

Lab Name Flowers Chemical Laboratory

Address 481 Newburyport Avenue Altamonte Springs, FL 32701

Phone Number (407) 339-5984

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

(CTRL-ALT-7)

GMS# 4060C00092
Monitoring Well 4060A12054
Well Name MONITOR WELL 1
Classification of Groundwater G-II

SEMLF

W-4534

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type ( ) Background
( ) Site Boundary
(x) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 41.67 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	25.0	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	149	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00102	mg/l	UNFILTERED	HNO_3
	ARSENIC	GRAB	EPA 206.3	0.00104	mg/l	UNFILTERED	HNO_3
	BARIUM	GRAB	EPA 200.7	0.173	mg/l	UNFILTERED	HNO_3
	BERYLLIUM	GRAB	EPA 210.1	0.00226	mg/l	UNFILTERED	HNO_3
001027	CADMIUM	GRAB	EPA 200.7	0.00347	mg/l	UNFILTERED	HNO_3
001034	CHROMIUM	GRAB	EPA 200.7	0.0484	mg/l	UNFILTERED	HNO_3
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.470	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.0275	mg/l	UNFILTERED	HNO_3
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO_3
	NICKEL	GRAB	EPA 200.7	0.00989	mg/l	UNFILTERED	HNO_3
000620	NITRATE	GRAB	EPA 353.1	14.9	mg/l	UNFILTERED	H_2SO_4
	NITRITE	GRAB	EPA 354.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	14.9	mg/l	UNFILTERED	H_2SO_4
	SELENIUM	GRAB	EPA 270.3	0.00230	mg/l	UNFILTERED	HNO_3
000929	SODIUM	GRAB	EPA 200.7	7.11	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	0.00038	mg/l	UNFILTERED	HNO_3
	ALUMINUM	GRAB	EPA 200.7	16.1	mg/l	UNFILTERED	HNO_3
	CHLORIDE	GRAB	EPA 325.3	8.05	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	150.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.0134	mg/l	UNFILTERED	HNO_3
	FLUORIDE	GRAB	EPA 340.1	0.470	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12054
Well Name MONITOR WELL 1
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type ( ) Background
( ) Site Boundary
(x) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 41.67 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.500	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	1.37	mg/l	UNFILTERED	HNO_3
	MANGANESE	GRAB	EPA 200.7	<0.0050	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	7.88	ST.UN.	UNFILTERED	HNO_3
	SILVER	GRAB	EPA 200.7	0.00042	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	<1.00	mg/l	UNFILTERED	HNO_3
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	124	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	60.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.0340	mg/l	UNFILTERED	HNO_3
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	21.0	pCi/l	UNFILTERED	HNO_3
	RADIUM 226	GRAB	EPA 903.1	3.70	pCi/l	UNFILTERED	HNO_3
	RADIUM 228	GRAB	EPA 904	<0.300	pCi/l	UNFILTERED	HNO

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 406000092
Monitoring Well 4060A12055
Well Name MONITOR WELL 2
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

W4535

Sample Date 04-26-00
Well Type (x) Background
( ) Site Boundary
( ) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 41.81 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	25.0	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	206	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00013	mg/l	UNFILTERED	HNO_3
	ARSENIC	GRAB	EPA 206.3	0.00016	mg/l	UNFILTERED	HNO_3
	BARIUM	GRAB	EPA 200.7	0.0221	mg/l	UNFILTERED	HNO_3
	BERYLLIUM	GRAB	EPA 210.1	<0.0002	mg/l	UNFILTERED	HNO_3
001027	CADMIUM	GRAB	EPA 200.7	0.00042	mg/l	UNFILTERED	HNO_3
001034	CHROMIUM	GRAB	EPA 200.7	0.00144	mg/l	UNFILTERED	HNO_3
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.304	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00122	mg/l	UNFILTERED	HNO_3
	MERCURY	GRAB	EPA 245.1	0.00027	mg/l	UNFILTERED	HNO_3
	NICKEL	GRAB	EPA 200.7	0.00086	mg/l	UNFILTERED	HNO_3
000620	NITRATE	GRAB	EPA 353.1	5.30	mg/l	UNFILTERED	H_2SO_4
	NITRITE	GRAB	EPA 354.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	5.30	mg/l	UNFILTERED	H_2SO_4
	SELENIUM	GRAB	EPA 270.3	0.00077	mg/l	UNFILTERED	HNO_3
000929	SODIUM	GRAB	EPA 200.7	7.82	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0001	mg/l	UNFILTERED	HNO_3
	ALUMINUM	GRAB	EPA 200.7	1.12	mg/l	UNFILTERED	HNO_3
	CHLORIDE	GRAB	EPA 325.3	3.16	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	10.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.0130	mg/l	UNFILTERED	HNO_3
	FLUORIDE	GRAB	EPA 340.1	0.304	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 406000092
Monitoring Well 4060A12055
Well Name MONITOR WELL 2
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type (x) Background
( ) Site Boundary
( ) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 41.81 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.500	mg/l	UNFILTERED	NONE
	MANGANESE	GRAB	EPA 200.7	<0.0050	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.0223	mg/l	UNFILTERED	HNO_3
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.08	ST. UN.	UNFILTERED	HNO_3
	SILVER	GRAB	EPA 200.7	<0.00005	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	9.83	mg/l	UNFILTERED	HNO_3
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	94.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	9.00	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.00514	mg/l	UNFILTERED	HNO_3
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	1.00	pCi/l	UNFILTERED	HNO_3
	RADIUM 226	GRAB	EPA 903.1	0.50	pCi/l	UNFILTERED	HNO_3
	RADIUM 228	GRAB	EPA 904	0.300	pCi/l	UNFILTERED	HNO_3

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12057
Well Name MONITOR WELL 4
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

W4537

Sample Date 04-26-00
Well Type ( ) Background
(x) Site Boundary
( ) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 41.86 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	27.0	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	860	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00972	mg/l	UNFILTERED	HNO_3
	ARSENIC	GRAB	EPA 206.3	0.00058	mg/l	UNFILTERED	HNO_3
	BARIUM	GRAB	EPA 200.7	0.0104	mg/l	UNFILTERED	HNO_3
	BERYLLIUM	GRAB	EPA 210.1	<0.0002	mg/l	UNFILTERED	HNO_3
001027	CADMIUM	GRAB	EPA 200.7	0.000576	µg/l	UNFILTERED	HNO_3
001034	CHROMIUM	GRAB	EPA 200.7	0.00196	µg/l	UNFILTERED	HNO_3
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.169	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00052	mg/l	UNFILTERED	HNO_3
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO_3
	NICKEL	GRAB	EPA 200.7	0.00291	mg/l	UNFILTERED	HNO_3
000620	NITRATE	GRAB	EPA 353.1	11.4	mg/l	UNFILTERED	H_2SO_4
	NITRITE	GRAB	EPA 354.1	0.0309	mg/l	UNFILTERED	H_2SO_4
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	11.4309	mg/l	UNFILTERED	H_2SO_4
	SELENIUM	GRAB	EPA 270.3	0.00348	mg/l	UNFILTERED	HNO_3
000929	SODIUM	GRAB	EPA 200.7	32.5	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	0.00029	mg/l	UNFILTERED	HNO_3
	ALUMINUM	GRAB	EPA 200.7	0.231	mg/l	UNFILTERED	HNO_3
	CHLORIDE	GRAB	EPA 325.3	49.0	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	10.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	<0.0002	mg/l	UNFILTERED	HNO_3
	FLUORIDE	GRAB	EPA 340.1	0.169	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12057
Well Name MONITOR WELL 4
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type ( ) Background
(x) Site Boundary
( ) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 41.86 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.500	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	<0.0100	mg/l	UNFILTERED	HNO_3
	MANGANESE	GRAB	EPA 200.7	<0.0050	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.42	ST.UN.	UNFILTERED	HNO_3
	SILVER	GRAB	EPA 200.7	0.00013	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	7.58	mg/l	UNFILTERED	HNO_3
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	414.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	7.00	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.00611	mg/l	UNFILTERED	HNO_3
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	18.4	pCi/l	UNFILTERED	HNO_3
	RADIUM 226	GRAB	EPA 903.1	1.0	pCi/l	UNFILTERED	HNO_3
	RADIUM 228	GRAB	EPA 904	<0.300	pCi/l	UNFILTERED	HNO_3

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12057
Well Name MONITOR WELL 6A
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

W4557

Sample Date 04-26-00
Well Type ( ) Background
( ) Site Boundary
( ) Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 41.12 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	26.0	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	268	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00313	mg/l	UNFILTERED	HNO_3
	ARSENIC	GRAB	EPA 206.3	0.00054	mg/l	UNFILTERED	HNO_3
	BARIUM	GRAB	EPA 200.7	0.0162	mg/l	UNFILTERED	HNO_3
	BERYLLIUM	GRAB	EPA 210.1	<0.0002	mg/l	UNFILTERED	HNO_3
001027	CADMIUM	GRAB	EPA 200.7	0.00106	mg/l	UNFILTERED	HNO_3
001034	CHROMIUM	GRAB	EPA 200.7	0.0828	mg/l	UNFILTERED	HNO_3
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.175	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00253	mg/l	UNFILTERED	HNO_3
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO_3
	NICKEL	GRAB	EPA 200.7	0.00504	mg/l	UNFILTERED	HNO_3
000620	NITRATE	GRAB	EPA 353.1	6.06	mg/l	UNFILTERED	H_2SO_4
	NITRITE	GRAB	EPA 354.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	6.06	mg/l	UNFILTERED	H_2SO_4
	SELENIUM	GRAB	EPA 270.3	0.00326	mg/l	UNFILTERED	HNO_3
000929	SODIUM	GRAB	EPA 200.7	2.77	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	0.00015	mg/l	UNFILTERED	HNO_3
	ALUMINUM	GRAB	EPA 200.7	2.27	mg/l	UNFILTERED	HNO_3
	CHLORIDE	GRAB	EPA 325.3	6.78	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	40.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.00039	mg/l	UNFILTERED	HNO_3
	FLUORIDE	GRAB	EPA 340.1	0.175	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12057
Well Name MONITOR WELL 6A
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type ( ) Background
( ) Site Boundary
( ) Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 41.12 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.500	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.171	mg/l	UNFILTERED	HNO_3
	MANGANESE	GRAB	EPA 200.7	<0.0050	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	7.62	ST.UN.	UNFILTERED	HNO_3
	SILVER	GRAB	EPA 200.7	0.00045	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	8.99	mg/l	UNFILTERED	HNO_3
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	160.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	56.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.0249	mg/l	UNFILTERED	HNO_3
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	1.50	pCi/l	UNFILTERED	HNO_3
	RADIUM 226	GRAB	EPA 903.1	0.300	pCi/l	UNFILTERED	HNO_3
	RADIUM 228	GRAB	EPA 904	<0.300	pCi/l	UNFILTERED	HNO_3

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A14304
Well Name MONITOR WELL 7
Classification of Groundwater G-II

W4564

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type ( ) Background
( ) Site Boundary
( ) Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 42.06 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	25.0	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	309	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00126	mg/l	UNFILTERED	HNO_3
	ARSENIC	GRAB	EPA 206.3	0.00058	mg/l	UNFILTERED	HNO_3
	BARIUM	GRAB	EPA 200.7	0.0103	mg/l	UNFILTERED	HNO_3
	BERYLLIUM	GRAB	EPA 210.1	<0.0002	mg/l	UNFILTERED	HNO_3
001027	CADMIUM	GRAB	EPA 200.7	0.001003	mg/l	UNFILTERED	HNO_3
001034	CHROMIUM	GRAB	EPA 200.7	0.00844	mg/l	UNFILTERED	HNO_3
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.214	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00331	mg/l	UNFILTERED	HNO_3
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO_3
	NICKEL	GRAB	EPA 200.7	0.00994	mg/l	UNFILTERED	HNO_3
000620	NITRATE	GRAB	EPA 353.1	5.82	mg/l	UNFILTERED	H_2SO_4
	NITRITE	GRAB	EPA 354.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	5.82	mg/l	UNFILTERED	H_2SO_4
	SELENIUM	GRAB	EPA 270.3	0.00196	mg/l	UNFILTERED	HNO_3
000929	SODIUM	GRAB	EPA 200.7	3.13	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	0.00021	mg/l	UNFILTERED	HNO_3
	ALUMINUM	GRAB	EPA 200.7	0.672	mg/l	UNFILTERED	HNO_3
	CHLORIDE	GRAB	EPA 325.3	8.30	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	50.00	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.00369	mg/l	UNFILTERED	HNO_3
	FLUORIDE	GRAB	EPA 340.1	0.214	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A14304
Well Name MONITOR WELL 7
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type ( ) Background
( ) Site Boundary
( ) Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 42.06 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.500	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.156	mg/l	UNFILTERED	HNO_3
	MANGANESE	GRAB	EPA 200.7	<0.0050	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	7.29	ST.UN.	UNFILTERED	HNO_3
	SILVER	GRAB	EPA 200.7	0.00050	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	6.17	mg/l	UNFILTERED	HNO_3
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	198.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	76.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.0457	mg/l	UNFILTERED	HNO_3
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	4.30	pCi/l	UNFILTERED	HNO_3
	RADIUM 226	GRAB	EPA 903.1	0.300	pCi/l	UNFILTERED	HNO_3
	RADIUM 228	GRAB	EPA 904	0.500	pCi/l	UNFILTERED	HNO_3

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A17008
Well Name MONITOR WELL 8
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

W 4592

Sample Date 04-26-00
Well Type (x) Background
( ) Site Boundary
( ) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 42.59 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	26.0	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	469	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00077	mg/l	UNFILTERED	HNO_3
	ARSENIC	GRAB	EPA 206.3	0.00117	mg/l	UNFILTERED	HNO_3
	BARIUM	GRAB	EPA 200.7	0.00856	mg/l	UNFILTERED	HNO_3
	BERYLLIUM	GRAB	EPA 210.1	<0.0002	mg/l	UNFILTERED	HNO_3
001027	CADMIUM	GRAB	EPA 200.7	0.000830	mg/l	UNFILTERED	HNO_3
001034	CHROMIUM	GRAB	EPA 200.7	0.00496	mg/l	UNFILTERED	HNO_3
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.108	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00114	mg/l	UNFILTERED	HNO_3
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO_3
	NICKEL	GRAB	EPA 200.7	0.00372	mg/l	UNFILTERED	HNO_3
000620	NITRATE	GRAB	EPA 353.1	2.07	mg/l	UNFILTERED	H_2SO_4
	NITRITE	GRAB	EPA 354.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	2.07	mg/l	UNFILTERED	H_2SO_4
	SELENIUM	GRAB	EPA 270.3	0.00273	mg/l	UNFILTERED	HNO_3
000929	SODIUM	GRAB	EPA 200.7	4.50	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0001	mg/l	UNFILTERED	HNO_3
	ALUMINUM	GRAB	EPA 200.7	0.772	mg/l	UNFILTERED	HNO_3
	CHLORIDE	GRAB	EPA 325.3	7.00	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	15.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	<0.0002	mg/l	UNFILTERED	HNO_3
	FLUORIDE	GRAB	EPA 340.1	0.108	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A17008
Well Name MONITOR WELL 8
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type (x) Background
( ) Site Boundary
( ) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 42.59 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.500	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	2.98	mg/l	UNFILTERED	HNO_3
	MANGANESE	GRAB	EPA 200.7	<0.0050	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.95	ST.UN.	UNFILTERED	HNO_3
	SILVER	GRAB	EPA 200.7	0.00021	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	5.89	mg/l	UNFILTERED	HNO_3
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	252.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	15.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.0146	mg/l	UNFILTERED	HNO_3
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	0.600	pCi/l	UNFILTERED	HNO_3
	RADIUM 266	GRAB	EPA 903.1	0.900	pCi/l	UNFILTERED	HNO_3
	RADIUM 228	GRAB	EPA 904	0.300	pCi/l	UNFILTERED	HNO_3

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PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A17009
Well Name MONITOR WELL 9
Classification of Groundwater G-II

W 4593

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type (x) Background
( ) Site Boundary
( ) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 42.20 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	26.0	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	980	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00075	mg/l	UNFILTERED	HNO_3
	ARSENIC	GRAB	EPA 206.3	0.00123	mg/l	UNFILTERED	HNO_3
	BARIUM	GRAB	EPA 200.7	0.0219	mg/l	UNFILTERED	HNO_3
	BERYLLIUM	GRAB	EPA 210.1	0.00022	mg/l	UNFILTERED	HNO_3
001027	CADMIUM	GRAB	EPA 200.7	0.00214	µg/l	UNFILTERED	HNO_3
001034	CHROMIUM	GRAB	EPA 200.7	0.00694	µg/l	UNFILTERED	HNO_3
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	10.6	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00362	mg/l	UNFILTERED	HNO_3
	MERCURY	GRAB	EPA 245.1	0.00068	mg/l	UNFILTERED	HNO_3
	NICKEL	GRAB	EPA 200.7	0.0159	mg/l	UNFILTERED	HNO_3
000620	NITRATE	GRAB	EPA 353.1	<0.200	mg/l	UNFILTERED	H_2SO_4
	NITRITE	GRAB	EPA 354.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	<0.2300	mg/l	UNFILTERED	H_2SO_4
	SELENIUM	GRAB	EPA 270.3	0.00325	mg/l	UNFILTERED	HNO_3
000929	SODIUM	GRAB	EPA 200.7	8.88	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	0.00028	mg/l	UNFILTERED	HNO_3
	ALUMINUM	GRAB	EPA 200.7	2.33	mg/l	UNFILTERED	HNO_3
	CHLORIDE	GRAB	EPA 325.3	11.0	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	50.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.00412	mg/l	UNFILTERED	HNO_3
	FLUORIDE	GRAB	EPA 340.1	10.6	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

DEP Form 17-1.216(2)

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A17009
Well Name MONITOR WELL 9
Classification of Groundwater G-II

Well Developed* Prior to
Sample Collection (Yes/No) YES

Sample Date 04-26-00
Well Type (x) Background
( ) Site Boundary
( ) Intermediate
( ) Compliance
Groundwater Elevation
(above MSL) 42.20 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.500	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.868	mg/l	UNFILTERED	HNO_3
	MANGANESE	GRAB	EPA 903.1	<0.0050	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.48	ST.UN.	UNFILTERED	HNO_3
	SILVER	GRAB	EPA 200.7	0.00012	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	6.45	mg/l	UNFILTERED	HNO_3
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	506	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	58.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.0450	mg/l	UNFILTERED	HNO_3
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H_2SO_4
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	13.7	pCi/l	UNFILTERED	HNO_3
	RADIUM 226	GRAB	EPA 903.1	2.60	pCi/l	UNFILTERED	HNO_3
	RADIUM 228	GRAB	EPA 904	0.600	pCi/l	UNFILTERED	HNO_3

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

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FloralCity,FL 34436

Date Billed : May18 2000
Project Number : Sumter Pub Works
PO Number : 0084001.300
FLDOH Number : 83139/E83018
CTDPH Number : 0173
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Secs93 CN Inorg93 TB NH4 GA Ra226228
Date Sampled:Apr26 2000 Date Received:Apr27 2000 Lab Numbers: 10998-11004

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	10998 MW1	10999 MW2	11000 MW4	11001 MW6A	11002 MW7
Arsenic	mg/L	.00010	107.	17.0	.00104	.00016	.00058	.00054	.00058
Barium	mg/L	.00010	110.	20.0	0.173	0.0221	0.0104	0.0162	0.0103
Cadmium	mg/L	.00010	105.	17.3	.00347	.00042	.00057	.00106	.00100
Chromium	mg/L	.00010	108.	15.5	0.0484	.00144	.00196	0.0828	.00844
Cyanide	mg/L	0.0100	75.8	8.87	<.0100	<.0100	<.0100	<.0100	<.0100
Fluoride	mg/L	0.0500	120.	16.2	0.470	0.304	0.169	0.175	0.214
Lead	mg/L	.00010	106.	16.4	0.0275	.00122	.00052	.00253	.00331
Mercury	mg/L	.00020	112.	.000	<.0002	.00027	<.0002	<.0002	<.0002
Nickel	mg/L	.00010	97.7	17.9	.00989	.00086	.00291	.00504	.00994
Nitrate(as N)	mg/L	0.200	91.4	5.74	14.9	5.30	11.4	6.06	5.82
Nitrite(as N)	mg/L	0.0300	94.5	1.08	<.0300	<.0300	0.0309	<.0300	<.0300
Selenium	mg/L	.00020	96.2	16.0	.00230	.00077	.00348	.00326	.00196
Sodium	mg/L	0.0500	74.0	.290	7.11	7.82	32.5	2.77	3.13
Antimony	mg/L	.00010	111.	16.2	.00102	.00013	.00972	.00313	.00126
Beryllium	mg/L	.00020	131.	15.8	.00226	<.0002	<.0002	<.0002	<.0002
Thallium	mg/L	.00010	107.	14.5	.00038	<.0001	.00029	.00015	.00021
Asbestos	MF/L	1.00			-	-	-	-	-
Turbidity	NTU	0.0500	100.	9.31	60.0	9.00	7.00	56.0	76.0
Ammonia(as N)	mg/L	0.0300	116.	11.2	<.0300	<.0300	<.0300	<.0300	<.0300
Cyanide	mg/L	0.0100			-	-	-	-	-
Aluminum	mg/L	.00050	77.5	.340	16.1	1.12	0.231	2.27	0.672
Chloride	mg/L	0.400	116.	1.85	8.05	3.16	49.0	6.78	8.30
Copper	mg/L	.00020	97.7	18.1	0.0134	0.0130	<.0002	.00039	.00369
Fluoride	mg/L	0.0500			-	-	-	-	-
Iron	mg/L	0.0100	90.4	.290	1.37	0.0223	<.0100	0.171	0.156
Manganese	mg/L	.00500	89.1	1.17	<.0050	<.0050	<.0050	<.0050	<.0050

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirments of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

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FloralCity,FL 34436

Date Billed : May18 2000
Project Number : Sumter Pub Works
PO Number : 0084001.300
FLDOH Number : 83139/E83018
CTDPH Number : 0173
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Secs93 CN Inorg93 TB NH4 GA Ra226228
Date Sampled:Apr26 2000 Date Received:Apr27 2000 Lab Numbers: 10998-11004

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	11003 MW8	11004 MW9
Arsenic	mg/L	.00010	107.	17.0	.00117	.00123
Barium	mg/L	.00010	110.	20.0	.00856	0.0219
Cadmium	mg/L	.00010	105.	17.3	.00083	.00214
Chromium	mg/L	.00010	108.	15.5	.00496	.00694
Cyanide	mg/L	0.0100	75.8	8.87	<.0100	<.0100
Fluoride	mg/L	0.0500	120.	16.2	0.108	10.6
Lead	mg/L	.00010	106.	16.4	.00114	.00362
Mercury	mg/L	.00020	112.	.000	<.0002	.00068
Nickel	mg/L	.00010	97.7	17.9	.00372	0.0159
Nitrate(as N)	mg/L	0.200	91.4	5.74	2.07	<0.200
Nitrite(as N)	mg/L	0.0300	94.5	1.08	<.0300	<.0300
Selenium	mg/L	.00020	96.2	16.0	.00273	.00325
Sodium	mg/L	0.0500	74.0	.290	4.50	8.88
Antimony	mg/L	.00010	111.	16.2	.00077	.00075
Beryllium	mg/L	.00020	131.	15.8	<.0002	.00022
Thallium	mg/L	.00010	107.	14.5	<.0001	.00028
Asbestos	MF/L	1.00			-	-
Turbidity	NTU	0.0500	100.	9.31	15.0	58.0
Ammonia(as N)	mg/L	0.0300	116.	11.2	<.0300	<.0300
Cyanide	mg/L	0.0100			-	-
Aluminum	mg/L	.00050	77.5	.340	0.772	2.33
Chloride	mg/L	0.400	116.	1.85	7.00	11.0
Copper	mg/L	.00020	97.7	18.1	<.0002	.00412
Fluoride	mg/L	0.0500			-	-
Iron	mg/L	0.0100	90.4	.290	2.98	0.868
Manganese	mg/L	.00500	89.1	1.17	<.0050	<.0050

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirments of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

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Date Billed : May18 2000
Project Number : Sumter Pub Works
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FLDOH Number : 83139/E83018
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NYSDOH Number : 11595
FDER COMQAPNum : 86-0008
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Secs93 CN Inorg93 TB NH4 GA Ra226228
Date Sampled:Apr26 2000 Date Received:Apr27 2000 Lab Numbers: 10998-11004

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	10998 MW1	10999 MW2	11000 MW4	11001 MW6A	11002 MW7
Silver	mg/L	.00005	101.	16.6	.00042	<5e-05	.00013	.00045	.00050
Sulfate	mg/L	1.00	78.7	1.78	<1.00	9.83	7.58	8.99	6.17
Zinc	mg/L	.00100	92.0	18.3	0.0340	.00514	.00611	0.0249	0.0457
Color (color units)	PCU	5.00			150.	10.0	10.0	40.0	50.0
Odor (total odor num	TON	1.00			<1.00	<1.00	<1.00	<1.00	<1.00
pH	pH	0.0500	100.	1.05	8.35	6.60	7.30	7.90	7.70
TDS	mg/L	2.50	105.	3.47	124.	94.0	414.	160.	198.
Foaming_Agents	mg/L	0.500			<0.500	<0.500	<0.500	<0.500	<0.500
Gross alpha	pCi/L	0.100			21.0	1.00	18.4	1.50	4.30
Analysis Error	pCi/L	0.100			4.00	0.700	4.50	1.10	2.20
Radium 226	pCi/L	0.100			3.70	0.500	1.00	0.300	0.300
Analysis_Error(226)	pCi/L	0.100			0.700	0.100	0.200	0.100	0.200
Radium 228	pCi/L	0.300			<0.300	0.300	<0.300	<0.300	0.500
Analysis_Error(228)	pCi/L	0.300			2.80	0.800	0.700	0.700	1.00
Gross_Beta	pCi/L	0.100			-	-	-	-	-
Analysis_Error(Gb)	pCi/L	0.100			-	-	-	-	-

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirments of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

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Received From:
Sumter Co. Pub. Works
c/o Cent.Testing Lab
PO Box 883
FloralCity,FL 34436

Date Billed : May18 2000
Project Number : Sumter Pub Works
PO Number : 0084001.300
FLDOH Number : 83139/E83018
CTDPH Number : 0173
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Secs93 CN Inorg93 TB NH4 GA Ra226228
Date Sampled:Apr26 2000 Date Received:Apr27 2000 Lab Numbers: 10998-11004

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	11003 MW8	11004 MW9
Silver	mg/L	.00005	101.	16.6	.00021	.00012
Sulfate	mg/L	1.00	78.7	1.78	5.89	6.45
Zinc	mg/L	.00100	92.0	18.3	0.0146	0.0450
Color (color units)	PCU	5.00			15.0	50.0
Odor (total odor num	TON	1.00			<1.00	<1.00
pH	pH	0.0500	100.	1.05	7.40	6.90
TDS	mg/L	2.50	105.	3.47	252.	506.
Foaming_Agents	mg/L	0.500			<0.500	<0.500
Gross alpha	pCi/L	0.100			0.600	13.7
Analysis Error	pCi/L	0.100			1.10	2.90
Radium 226	pCi/L	0.100			0.900	2.60
Analysis_Error(226)	pCi/L	0.100			0.200	0.300
Radium 228	pCi/L	0.300			0.300	0.600
Analysis_Error(228)	pCi/L	0.300			0.700	0.800
Gross_Beta	pCi/L	0.100			-	-
Analysis_Error(Gb)	pCi/L	0.100			-	-

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirments of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

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Serving Your Analytical and Environmental Needs Since 1957

1199

FLOWERS CHEMICAL LABORATORIES

ANALYTICAL RESULTS FORM HRS Number 83139

Parameter	Symbol	Unit	MW-1 10998	MW-2 10999	MW-4 11000	MW-6a 11001	MW-7 11002	MW-8 11003	MW-9 11004				QA Method	QA MDL	Section %RSD	Section %Rec	Analys	Date
Arsenic	*	mg/L	0.00104	0.000163J	0.000578	0.000536	0.000578	0.00117	0.00123				EPA6020	0.0001	17.032621	107.035	EVB	05-11-2000 16:30
Barium	*	mg/L	0.173	0.0221	0.0104	0.0162	0.0103	0.00856	0.0219				EPA6020	0.0001	20.089015	110.1	EVB	05-11-2000 16:30
Cadmium	*	mg/L	0.00347	0.000418	0.000567	0.00106	0.00100	0.000833	0.00214				EPA6020	0.0001	17.396566	105.425	EVB	05-11-2000 16:30
Chromium	*	mg/L	0.0484	0.00144	0.00196	0.0828	0.00844	0.00496	0.00694				EPA6020	0.0001	15.508709	108.925	EVB	05-11-2000 16:30
Cyanide	*	mg/L	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U				SM4500-C	0.01	8.8700574	75.843529	EAB	05-05-00
Fluoride	*	mg/L	0.470	0.304	0.169	0.175	0.214	0.108J	10.6				SM4500F	0.05	16.291608	120.61538	YGS	05-08-2000 10:00
Lead	*	mg/L	0.0275	0.00122	0.000518	0.00253	0.00331	0.00114	0.00362				EPA6020	0.0001	16.499175	106.6525	EVB	05-11-2000 16:30
Mercury	*	mg/L	<0.0002U	0.000271J	<0.0002U	<0.0002U	<0.0002U	<0.0002U	0.000682				EPA7470	0.0002	0	112.85566	MAN	05-03-2000 09:00
Nickel	*	mg/L	0.00989	0.000856	0.00291	0.00504	0.00994	0.00372	0.0159				EPA6020	0.0001	17.912581	97.75	EVB	05-11-2000 16:30
Nitrate(as N)	*	mg/L	14.9J	5.3J	11.4J	6.06J	5.82J	2.07J	<0.2U				EPA300.0	0.2	5.7448440	91.45	DRP	04-28-2000 14:00
Nitrite(as N)	*	mg/L	<0.03U	<0.03U	0.0309J	<0.03U	<0.03U	<0.03U	<0.03U				EPA353.2	0.03	1.0835231	94.5	DRP	04-28-2000 14:00
Selenium	*	mg/L	0.00230	0.000767	0.00348	0.00326	0.00196	0.00273	0.00325				EPA6020	0.0002	16.090104	96.2875	EVB	05-11-2000 16:30
Sodium	*	mg/L	7.11	7.82	32.5	2.77	3.13	4.50	8.88				EPA6010	0.05	0.2994774	74	EVB	05-08-2000 15:14
Antimony	*	mg/L	0.00102	0.000129J	0.00972	0.00313	0.00126	0.000767	0.000750				EPA6020	0.0001	16.252466	111.91	EVB	05-11-2000 16:30
Beryllium	*	mg/L	0.00226	<0.0002U	<0.0002U	<0.0002U	<0.0002U	<0.0002U	0.000224J				EPA6020	0.0002	15.895578	131.75	EVB	05-11-2000 16:30
Thallium	*	mg/L	0.000382	<0.0001U	0.000287J	0.000148J	0.000208J	<0.0001U	0.000277J				EPA6020	0.0001	14.575741	107.20175	EVB	05-11-2000 16:30
Asbestos	*	MF/L											TEM	1				
Turbidity	*	NTU	60J	9J	7J	56J	76J	15J	58J				EPA180.1	0.05	9.3153237	100	EAB	04-27-00
Ammonium(as N)	*	mg/L	<0.03U	<0.03U	<0.03U	<0.03U	<0.03U	<0.03U	<0.03U				EPA350.1	0.03	11.203010	116.8	DRP	05-02-2000 10:00
Cyanide	*	mg/L											EPA335.2	0.01				
Aluminum	*	mg/L	16.1	1.12	0.231	2.27	0.672	0.772	2.33				EPA6020	0.0005	0.3436721	77.5	EVB	05-13-2000 13:39
Chloride	*	mg/L	8.05	3.16	49.0	6.78	8.30	7.00	11.0				EPA300	0.4	1.8586557	116	DRP	05-05-2000 10:00
Copper	*	mg/L	0.0134	0.0130	<0.0002U	0.000386J	0.00369	<0.0002U	0.00412				EPA6020	0.0002	18.156723	97.75	EVB	05-11-2000 16:30
Fluoride	*	mg/L											SM4500F	0.05				
Iron	*	mg/L	1.37	0.0223J	<0.01U	0.171	0.156	2.98	0.868				EPA6010	0.01	0.2939726	90.46	EVB	05-08-2000 15:14
Manganese	*	mg/L	<0.005U	<0.005U	<0.005U	<0.005U	<0.005U	<0.005U	<0.005U				EPA6010	0.005	1.1787422	89.18	EVB	05-08-2000 15:14
Silver	*	mg/L	0.000419	<0.00005U	0.000128J	0.000454	0.000499	0.000212	0.000116J				EPA6020	0.00005	16.697278	101.39125	EVB	05-11-2000 16:30
Sulfate	*	mg/L	<1U	9.83	7.58	8.99	6.17	5.89	6.45				EPA375.4	1	1.7893610	78.728606	VPM	05-09-2000 08:00
Zinc	*	mg/L	0.0340	0.00514	0.00611	0.0249	0.0457	0.0146	0.0450				EPA6020	0.001	18.342719	92	EVB	05-11-2000 16:30
Color (color units)	*	PCU	150	10.0	10.0	40.0	50.0	15.0	50.0				SM2120B	5			DRP	04-28-2000 09:00
Odor (total odor number)	*	TON	<1U	<1U	<1U	<1U	<1U	<1U	<1U				SM2150B	1			EAB	04-26-00
pH (units)	*	pH	8.35	6.60	7.30	7.90	7.70	7.40	6.90				EPA150.1	0.05	1.0598272	100	DRP	04-27-2000 16:00
Total Dissovled Solids	*	mg/L	124	94.0	414	160	198	252	506				SM2540C	2.5	3.4704147	105.22222	PJB	05-03-2000 03:30
Foaming Agents	*	mg/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				SM5540C	0.5			EAB	05-01-2000 09:00
Gross alpha	*	pCi/L	21J	1J	18.4J	1.5J	4.3J	0.6J	13.7J				EPA900	0.1			PL	05-15-00
Analysis_Error(Ga)	*	pCi/L	4	0.7	4.5	1.1	2.2	1.1	2.9				EPA900	0.1			PL	05-15-00
Radium-226	*	pCi/L	3.7J	0.5J	1J	0.3J	0.3J	0.9J	2.6J				EPA903.1	0.1			PL	05-15-00
Analysis_Error(226)	*	pCi/L	0.7	0.1	0.2	0.1	0.2	0.2	0.3				EPA903.1	0.1			PL	05-15-00
Radium-228	*	pCi/L	<0.3U	0.3J	0.1J	<0.3U	0.5J	0.3J	0.6J				EPA904	0.3			PL	05-15-00
Analysis_Error(228)	*	pCi/L	2.8	0.8	0.7	0.7	1	0.7	0.8				EPA904	0.3			PL	05-15-00
Gross beta	*	pCi/L	-	-	-	-	-	-	-				EPA900	0.1			PL	05-15-00
Analysis_Error(Gb)	*	pCi/L	-	-	-	-	-	-	-				EPA900	0.1			PL	05-15-00

Date Received: 04-27-00 Typed: Sent: 05-18-00

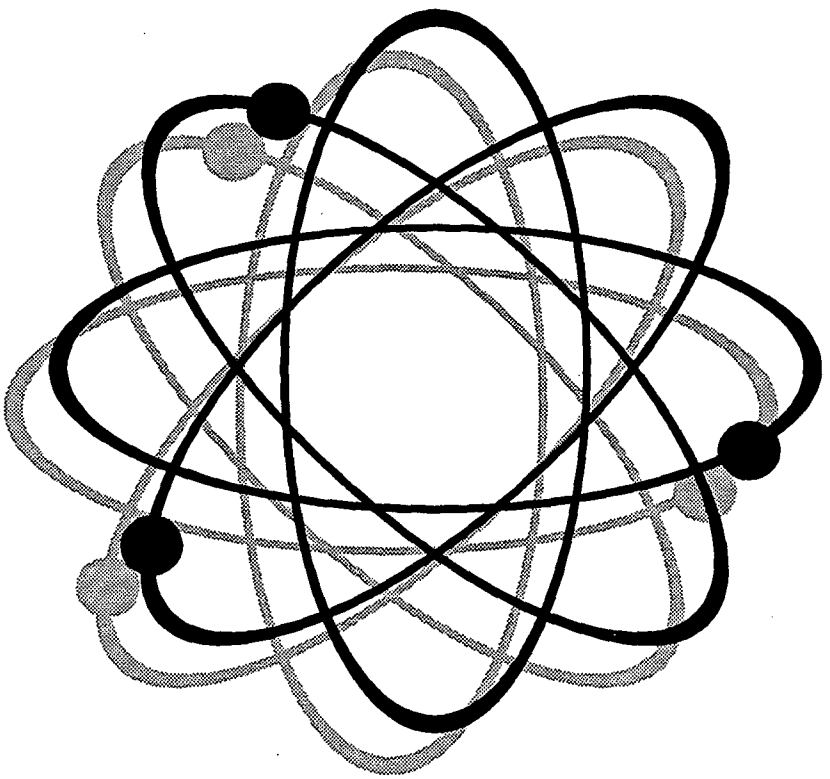
Project Number	Sumter Pub Works	Qualifier Key	
PO Number	0084001.300	J	Surrogate recovery limits have been exceeded; No known quality control criteria exists for the component;
Date Sampled	1 04-26-00 *		The sample matrix interfered with the ability to make any accurate determination;
Date Analyzed	0		The reported value is between the MDL and the PQL.
Compacted	1	Q	Sample held beyond the accepted holding time.
Format	NormRR	U	Indicates that the compound was analyzed for but not detected.
Unit Cost	Exted	V	Indicates that the analyte was detected in both the sample and the associated method blank.

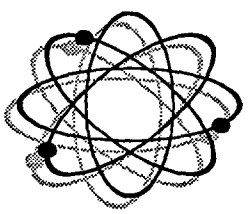
Secs93	8500	8 *
CN	3000	8 *
Inorg93	9500	8 *
TB	700	8 *
NH4	1200	8 *
GA	4000	8 *
Ra226228	27000	8 *

Quality Assurance Report

Prepared for: Cent.Testing Lab
Project Number: Sumter Pub Works
Lab Numbers: 10998 - 11004

Report date: 18-May-00





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FLOWERS CHEMICAL LABORATORIES, INC.

QA SDG Narrative Summary

Client:	Cent.Testing Lab
Project Number:	Sumter Pub Works
P.O. Number:	0084001.300
Date Sampled:	26-Apr-00
Lab Numbers:	10998 - 11004

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occured during analysis.

Surrogate Compound Recoveries:

The requested analytes did not require surrogates.

Accuracy / Precision:

The recovery limits were exceeded for 2 compounds in the matrix spike as shown in section 2. This represents a 92.3% success rate.
The recovery limits were exceeded for 10 compounds in the matrix spike duplicate as shown in section 2. This represents a 61.5% success rate.
The RSD was exceeded for 8 compounds as shown in section 2. This represents a 69.2% success rate.

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were exceeded for 1 compound as shown in section 4. This represents a 97.1% success rate.

Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.
The t-test limits were met for all QCCS standards as shown in section 5.
The t-test limits were met for all matrix spike standards as shown in section 5.
There were 16 standard blanks.
The t-test limits were met for all surrogate spike standards as shown in section 5.

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Cent.Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084001.300
Date Sampled: 26-Apr-00
Lab Numbers: 10998 - 11004

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
Arsenic	mg/L	EPA6020	11-2000 16	0.2222	0.002	0.240	107%	0.291	130%	0.182 - 0.277	0.036	0 - 0.030
Barium	mg/L	EPA6020	11-2000 16	0.2222	0.007	0.252	110%	0.316	139%	0.183 - 0.287	0.046	0 - 0.031
Cadmium	mg/L	EPA6020	11-2000 16	0.2222	0.000	0.234	105%	0.286	128%	0.179 - 0.264	0.036	0 - 0.027
Chromium	mg/L	EPA6020	11-2000 16	0.2222	0.039	0.281	109%	0.334	133%	0.196 - 0.324	0.038	0 - 0.033
Cyanide	mg/L	SM4500-C	05-05-00	0.1	0.002	0.077	75.8%	0.086	84.0%	0.023 - 0.216	0.006	0 - 0.058
Fluoride	mg/L	SM4500F	08-2000 10	0.5	0.470	1.07	121%	0.892	84.4%	0.900 - 1.10	0.128	0 - 0.198
Lead	mg/L	EPA6020	11-2000 16	0.2222	0.001	0.238	107%	0.287	129%	0.180 - 0.275	0.035	0 - 0.027
Mercury	mg/L	EPA7470	03-2000 09	0.002	<0.0002	0.002	113%	0.002	113%	0.002 - 0.003	0.000	0 - 0.000
Nickel	mg/L	EPA6020	11-2000 16	0.2222	0.259	0.476	97.8%	0.583	146%	0.336 - 0.608	0.076	0 - 0.035
Nitrite(as N)	mg/L	EPA353.2	28-2000 14	0.2	<0.03	0.189	94.5%	0.187	93.4%	0.082 - 0.286	0.002	0 - 0.055
Selenium	mg/L	EPA6020	11-2000 16	0.2222	0.003	0.217	96.3%	0.260	116%	0.169 - 0.282	0.031	0 - 0.033
Sodium	mg/L	EPA6010	08-2000 15	5.5555	94.6	98.7	74.0%	98.3	68.0%	66.4 - 138	0.236	0 - 1.17
Antimony	mg/L	EPA6020	11-2000 16	0.2222	0.001	0.250	112%	0.301	135%	0.171 - 0.289	0.036	0 - 0.036
Beryllium	mg/L	EPA6020	11-2000 16	0.2222	<0.0002	0.293	132%	0.351	158%	0.147 - 0.333	0.041	0 - 0.050
Thallium	mg/L	EPA6020	11-2000 16	0.2222	0.000	0.238	107%	0.281	126%	0.172 - 0.286	0.030	0 - 0.036
Ammonium(as N)	mg/L	EPA350.1	02-2000 10	0.2	0.225	0.459	117%	0.404	89.5%	0.188 - 0.656	0.039	0 - 0.060
Aluminum	mg/L	EPA6020	13-2000 13	0.2222	1.26	1.43	77.5%	1.43	80.0%	0.895 - 2.07	0.004	0 - 0.051
Chloride	mg/L	EPA300	05-2000 10	20	43.7	66.9	116%	68.3	123%	27.5 - 87.4	1.00	0 - 5.36
Copper	mg/L	EPA6020	11-2000 16	0.2222	0.082	0.299	97.8%	0.367	129%	0.205 - 0.379	0.048	0 - 0.037
Iron	mg/L	EPA6010	08-2000 15	5.5555	<0.01	5.03	90.5%	5.01	90.2%	3.65 - 7.54	0.012	0 - 1.30
Manganese	mg/L	EPA6010	08-2000 15	5.5555	<0.005	4.95	89.2%	4.89	88.0%	3.95 - 7.16	0.046	0 - 0.960
Silver	mg/L	EPA6020	11-2000 16	0.2222	0.000	0.226	101%	0.187	83.9%	0.145 - 0.292	0.027	0 - 0.046
Sulfate	mg/L	EPA375.4	09-2000 08	5	9.83	13.8	78.7%	14.0	84.4%	5.79 - 23.8	0.199	0 - 1.86
Zinc	mg/L	EPA6020	11-2000 16	0.2222	0.069	0.274	92.0%	0.337	121%	0.181 - 0.379	0.045	0 - 0.043
Gross alpha	pCi/L	EPA900	05-15-00	0	31.0	100	6900%	100	6900%	22.1 - 39.9	0.000	0 - 4.45
Analysis_Error(Ga)	pCi/L	EPA900	05-15-00	0	11.0	100	8900%	100	8900%	8.03 - 14.0	0.000	0 - 1.90

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent.Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084001.300
Date Sampled: 26-Apr-00
Lab Numbers: 10998 - 11004

Analyte	Unit	Method	Date	Concentration
Arsenic	mg/L	EPA6020	05-11-2000 16:30	<0.0001
Barium	mg/L	EPA6020	05-11-2000 16:30	<0.0001
Cadmium	mg/L	EPA6020	05-11-2000 16:30	<0.0001
Chromium	mg/L	EPA6020	05-11-2000 16:30	<0.0001
Cyanide	mg/L	SM4500-CN E	05-05-00	<0.01
Fluoride	mg/L	SM4500F C	05-08-2000 10:00	<0.05
Lead	mg/L	EPA6020	05-11-2000 16:30	<0.0001
Mercury	mg/L	EPA7470	05-03-2000 09:00	<0.0002
Nickel	mg/L	EPA6020	05-11-2000 16:30	<0.0001
Nitrite(as N)	mg/L	EPA353.2	04-28-2000 14:00	<0.03
Selenium	mg/L	EPA6020	05-11-2000 16:30	<0.0002
Sodium	mg/L	EPA6010	05-08-2000 15:14	<0.05
Antimony	mg/L	EPA6020	05-11-2000 16:30	<0.0001
Beryllium	mg/L	EPA6020	05-11-2000 16:30	<0.0002
Thallium	mg/L	EPA6020	05-11-2000 16:30	<0.0001
Turbidity	NTU	EPA180.1	04-27-00	<0.05
Ammonium(as N)	mg/L	EPA350.1	05-02-2000 10:00	<0.03
Aluminum	mg/L	EPA6020	05-13-2000 13:39	<0.0005
Chloride	mg/L	EPA300	05-05-2000 10:00	<0.4
Copper	mg/L	EPA6020	05-11-2000 16:30	<0.0002
Iron	mg/L	EPA6010	05-08-2000 15:14	<0.01
Manganese	mg/L	EPA6010	05-08-2000 15:14	<0.005
Silver	mg/L	EPA6020	05-11-2000 16:30	<0.00005
Sulfate	mg/L	EPA375.4	05-09-2000 08:00	<1
Zinc	mg/L	EPA6020	05-11-2000 16:30	<0.001
pH (units)	pH	EPA150.1	04-27-2000 16:00	<0.05
Gross alpha	pCi/L	EPA900	05-15-00	<0.1
Analysis_Error(Ga)	pCi/L	EPA900	05-15-00	<0.1
Radium-226	pCi/L	EPA903.1	05-15-00	<0.1

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 3

Method Blank Report

Client: Cent.Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084001.300
Date Sampled: 26-Apr-00
Lab Numbers: 10998 - 11004

Analyte	Unit	Method	Date	Concentration
Analysis_Error(226)	pCi/L	EPA903.1	05-15-00	<0.1
Radium-228	pCi/L	EPA904	05-15-00	<0.3
Analysis_Error(228)	pCi/L	EPA904	05-15-00	<0.3
Gross beta	pCi/L	EPA900	05-15-00	<0.1
Analysis_Error(Gb)	pCi/L	EPA900	05-15-00	<0.1

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 4

QCCS Sample Recovery

Client: Cent.Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084001.300
Date Sampled: 26-Apr-00
Lab Numbers: 10998 - 11004

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Arsenic	mg/L	EPA6020	5-11-2000 16:3	0.200	0.205	102%	0.175 - 0.220
Barium	mg/L	EPA6020	5-11-2000 16:3	0.200	0.215	108%	0.174 - 0.231
Cadmium	mg/L	EPA6020	5-11-2000 16:3	0.200	0.205	103%	0.176 - 0.221
Chromium	mg/L	EPA6020	5-11-2000 16:3	0.200	0.219	109%	0.169 - 0.228
Cyanide	mg/L	SM4500-CN I	05-05-00	0.050	0.047	95.0%	0.030 - 0.077
Fluoride	mg/L	SM4500F C	5-08-2000 10:0	0.800	0.802	100%	0.837 - 0.900
Lead	mg/L	EPA6020	5-11-2000 16:3	0.200	0.211	106%	0.171 - 0.238
Mercury	mg/L	EPA7470	5-03-2000 09:0	0.004	0.004	90.1%	0.003 - 0.005
Nickel	mg/L	EPA6020	5-11-2000 16:3	0.200	0.213	106%	0.164 - 0.230
Nitrite(as N)	mg/L	EPA353.2	4-28-2000 14:0	0.500	0.497	99.4%	0.435 - 0.541
Selenium	mg/L	EPA6020	5-11-2000 16:3	0.200	0.192	96.0%	0.168 - 0.231
Sodium	mg/L	EPA6010	5-08-2000 15:1	1.00	1.11	111%	0.782 - 1.21
Antimony	mg/L	EPA6020	5-11-2000 16:3	0.200	0.203	101%	0.170 - 0.223
Beryllium	mg/L	EPA6020	5-11-2000 16:3	0.100	0.115	115%	0.070 - 0.135
Thallium	mg/L	EPA6020	5-11-2000 16:3	0.200	0.207	103%	0.170 - 0.238
Turbidity	NTU	EPA180.1	04-27-00	4.00	4.00	100%	2.74 - 5.92
Ammonium(as N)	mg/L	EPA350.1	5-02-2000 10:0	0.500	0.470	94.1%	0.417 - 0.582
Aluminum	mg/L	EPA6020	5-13-2000 13:3	0.200	0.214	107%	0.159 - 0.236
Chloride	mg/L	EPA300	5-05-2000 10:0	50.0	52.5	105%	37.3 - 68.9
Copper	mg/L	EPA6020	5-11-2000 16:3	0.200	0.202	101%	0.159 - 0.234
Iron	mg/L	EPA6010	5-08-2000 15:1	1.00	0.955	95.5%	0.879 - 1.16
Manganese	mg/L	EPA6010	5-08-2000 15:1	1.00	0.932	93.2%	0.867 - 1.11
Silver	mg/L	EPA6020	5-11-2000 16:3	0.200	0.210	105%	0.169 - 0.234
Sulfate	mg/L	EPA375.4	5-09-2000 08:0	10.0	8.70	87.0%	7.19 - 13.0
Zinc	mg/L	EPA6020	5-11-2000 16:3	0.200	0.185	92.5%	0.158 - 0.233
pH (units)	pH	EPA150.1	4-27-2000 16:0	7.00	7.00	100%	6.76 - 7.37
Gross alpha	pCi/L	EPA900	05-15-00	100	100	100%	89.5 - 111
Analysis_Error(Ga)	pCi/L	EPA900	05-15-00	100	100	100%	89.5 - 111
Radium-226	pCi/L	EPA903.1	05-15-00	100	100	100%	89.5 - 111
Analysis_Error(226)	pCi/L	EPA903.1	05-15-00	100	100	100%	89.5 - 111
Radium-228	pCi/L	EPA904	05-15-00	100	100	100%	89.5 - 111
Analysis_Error(228)	pCi/L	EPA904	05-15-00	100	100	100%	89.5 - 111
Gross beta	pCi/L	EPA900	05-15-00	100	100	100%	89.5 - 111
Analysis_Error(Gb)	pCi/L	EPA900	05-15-00	100	100	100%	89.5 - 111

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Cent.Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084001.300
Date Sampled: 26-Apr-00
Lab Numbers: 10998 - 11004

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Arsenic	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	11.3	>1.73	1.02	0.024	0.994	0.042
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	11.7	>1.73	1.02	0.024	0.978	0.031
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	1.66	±2.09	1.02	0.024	1.20	0.426
Barium	Fisher	16-155AS	1067	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	8.60	>1.69	0.983	0.040	1.02	0.026
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	10.7	>1.69	0.983	0.040	0.981	0.013
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	7.57	>1.69	0.983	0.040	1.03	0.038
Cadmium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	6.24	>1.65	0.947	0.056	0.990	0.026
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	7.51	>1.65	0.947	0.056	0.958	0.014
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	6.10	>1.65	0.947	0.056	0.993	0.015
Chromium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	7.12	>1.65	1.00	0.058	1.02	0.023
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	7.63	>1.65	1.00	0.058	1.00	0.056
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	6.96	>1.65	1.00	0.058	1.02	0.029
Fluoride																
QCCS	Fisher	975627C	777	YGS	08-14-98	08-14-02	1471	YGS	02-02-00	08-02-00			0.969	0.133	1.13	
Matrix Spike																
Lead	Fisher	16-85AS	1066	FG	11-10-99	12-31-00	1422	EVB	11-10-99	11-10-00	5.28	>1.68	1.02	0.072	1.00	0.028
QCCS																
Matrix Spike																
Mercury	Fisher	CL1-112HG	863	EVB	01-13-99	12-31-00	1575	EVB	03-20-00	12-31-00	-0.058	±1.97	1.01	0.507	0.998	0.030
QCCS	Fisher	L6-52HG	1162	EVB	02-24-00	02-15-01	1576	EVB	03-20-00	12-30-00	0.138	±1.97	1.01	0.507	1.04	0.025
Matrix Spike	Fisher	CL1-112HG	863	EVB	01-13-99	12-31-00	1575	EVB	03-20-00	12-31-00	-0.058	±1.97	1.01	0.507	0.998	0.030
Nickel	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	4.42	>1.65	0.972	0.091	0.992	0.010
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	4.63	>1.65	0.972	0.091	0.983	0.046
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			0.972	0.091	1.01	0.046
Nitrate(as N)																
QCCS	Fisher	995775	1096	DRP	01-19-00	01-18-05	1641	DRP	04-28-00	10-27-00	6.15	>1.67	0.973	0.063	0.975	0.015
Matrix Spike																
Nitrite(as N)																
QCCS	EMS	27062522	333	DRP	09-22-95	09-21-03	1639	DRP	04-28-00	10-27-00	6.81	>1.66	0.994	0.057	0.998	0.010
Matrix Spike																
Selenium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	3.42	>1.66	0.993	0.114	0.997	0.024
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	3.16	>1.66	0.993	0.114	0.955	0.011

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 5

Standards Traceability

Client: Cent.Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084001.300
Date Sampled: 26-Apr-00
Lab Numbers: 10998 - 11004

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	3.49	>1.66	0.993	0.114	0.972	0.046
Sodium	QCD Analysts	9AFS30Z2192	909	LSM	04-19-99	12-31-99	1215	EVB	05-10-99	12-31-99	8.31	>1.66	1.01	0.067	0.984	0.100
QCCS	Fisher	06-70Na	1160	EVB	02-24-00	02-15-01	1604	EVB	03-30-00	11-15-00	4.32	>1.70	1.01	0.067	0.964	0.016
Matrix Spike	QCD Analysts	9AFS30Z2192	909	LSM	04-19-99	12-31-99	1215	EVB	05-10-99	12-31-99	8.31	>1.66	1.01	0.067	0.984	0.100
Antimony	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	2.78	>1.67	0.995	0.134	0.984	0.013
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	2.65	>1.67	0.995	0.134	0.957	0.030
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			0.995	0.134	0.985	0.022
Beryllium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	2.96	>1.68	1.03	0.092	1.10	0.066
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	3.02	>1.68	1.03	0.092	0.962	0.061
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			1.03	0.092	1.10	0.039
Thallium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	2.46	>1.68	1.01	0.149	1.03	0.015
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	2.28	>1.68	1.01	0.149	1.06	0.068
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			1.01	0.149	1.03	0.028
Turbidity																
QCCS	HF Scientific Inc.	90201	912	DRP	04-26-99	12-31-99	1199	erin	04-26-99	12-31-99	-1.70	±2.15	1.09	0.129	0.885	0.319
Matrix Spike																
Aluminum																
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	3.76	>1.69	1.05	0.080	1.09	0.139
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			1.05	0.080	1.01	0.040
Chloride	EMS	36023611	534	DRP	06-04-96	12-31-99	1518	DRP	02-08-00	08-07-00	3.82	>1.66	1.03	0.055	1.13	0.030
QCCS	Fisher	984965	849	YGS	12-02-98	12-02-02	1519	DRP	02-08-00	08-07-00	6.73	>1.66	1.03	0.055	1.06	0.024
Matrix Spike	EMS	36023611	534	DRP	06-04-96	12-31-99	1518	DRP	02-08-00	08-07-00	3.82	>1.66	1.03	0.055	1.13	0.030
Copper	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	9.35	>1.65	0.980	0.047	0.978	0.045
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	8.95	>1.65	0.980	0.047	0.967	0.004
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			0.980	0.047	0.955	0.032
Iron	QCD Analysts	9AFS30Z2192	909	LSM	04-19-99	12-31-99	1215	EVB	05-10-99	12-31-99	-0.717	±1.97	1.08	0.964	1.01	0.054
QCCS	Fisher	M6-14FE	1092	EVB	01-10-00	12-10-00	1604	EVB	03-30-00	11-15-00	-0.203	±1.99	1.08	0.964	0.995	0.016
Matrix Spike	QCD Analysts	9AFS30Z2192	909	LSM	04-19-99	12-31-99	1215	EVB	05-10-99	12-31-99	-0.717	±1.97	1.08	0.964	1.01	0.054
Manganese	QCD Analysts	9AFS30Z2192	909	LSM	04-19-99	12-31-99	1215	EVB	05-10-99	12-31-99	26.8	>1.66	0.989	0.048	0.992	0.033
QCCS	Fisher	N6-24MN	1091	EVB	01-10-00	12-10-00	1604	EVB	03-30-00	11-15-00	8.58	>1.67	0.989	0.048	0.975	0.019
Matrix Spike	QCD Analysts	9AFS30Z2192	909	LSM	04-19-99	12-31-99	1215	EVB	05-10-99	12-31-99	26.8	>1.66	0.989	0.048	0.992	0.033
Silver	Fisher	16-155AS	1067	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	3.33	>1.70	0.935	0.078	1.01	0.040
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	1.97	±2.04	0.935	0.078	1.15	0.506

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 5

Standards Traceability

Client: Cent.Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084001.300
Date Sampled: 26-Apr-00
Lab Numbers: 10998 - 11004

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	2.95	>1.70	0.935	0.078	1.02	0.070
Sulfate QCCS Matrix Spike	Fisher	880658	835	erin	04-12-98	12-31-99	1168	erin	02-01-99	09-26-99	4.52	>1.68	0.987	0.111	1.04	0.115
Zinc	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99			0.977	0.048	0.981	0.015
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	7.34	>1.65	0.977	0.048	0.940	0.075
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			0.977	0.048	0.967	0.043
pH (units) QCCS Matrix Spike	Fisher	8336	1102	MAN	01-21-00	12-31-00	1474	MAN	01-21-00	12-31-00	36.4	>1.77	1.01	0.008	1.01	0.009
EPA150.1 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA180.1 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA300 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA300.0 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA350.1 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA353.2 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA375.4 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA6010 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA6020 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA7470 Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
SM2120B Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
SM2150B Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
SM2540C Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
SM4500F C Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
SM4500-CN E Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
SM5540C Blank	Flowers Chemical Laboratorie	001	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						

FLOWERS
CHEMICAL LABORATORIES INCORPORATED
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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: Sumter Co Public Works c/o Central Testing Lab
Address: 727 S. 14th St.
Leesburg Fl 34748
Phone: 352. 787-1268

FCL Client No.
FCL Project Manager
FCL Lab Coordinator
Requested Due Date: 10-day

P.O. Number
Project Name / No. 0084001.300
Contact

Sampled By (PRINT): Ron Ebel
Sampler Signature
Date Sampled: 4/26/00

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	HCl	NaOH
1	mw1		GW	10998	6	4		1		1
2	mw2			10999						
3	mw 4			11000						
4	mw 6A mw 7			11001 11002						
5	mw 8			11003						
6	mw 9			11004						

ANALYSES REQUEST: Inorganics 8310 | 8021(8222) TB/NH4/CH | GA/Sec 93

CARRIER	BAILERS	SHIP DATES OUT / DATE	SHIP DATES RETURNED / DATE	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
							B Smargon	4/27/00	15:15

SPECIAL INSTRUCTIONS

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY

