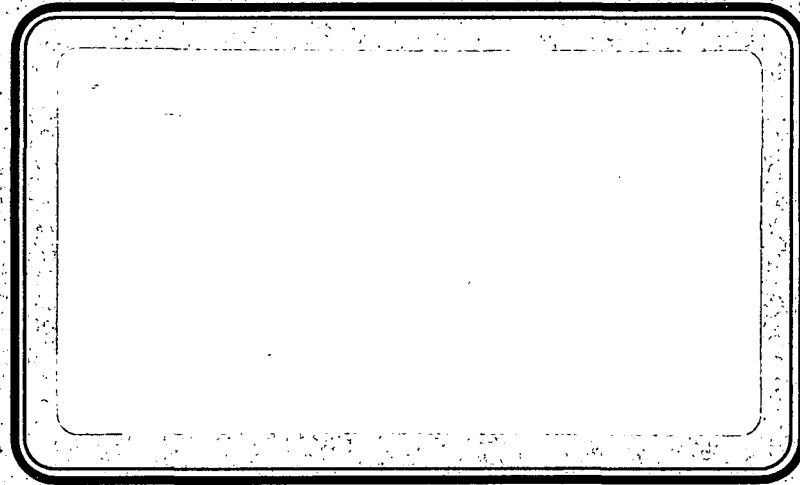




Central Testing Laboratory

Engineering and Materials Testing



LEESBURG • FLORAL CITY • OCALA

4060C00092
WAC 53008
FIRST QUARTER 2000
GROUNDWATER MONITORING REPORT

SUMTER COUNTY SOLID WASTE
SUMTERVILLE, SUMTER COUNTY, FLORIDA

CENTRAL TESTING LABORATORY

2793

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APRIL 2000

RECEIVED

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Solid Waste Section

Florida Department of Environmental Protection

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

DEP Form # 62-522.600(11)
Form Title <u>GROUND WATER MONITORING</u> <u>REPORT</u>
Effective Date _____
DEP Application No. _____

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: 4-7-00


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)

GMS# 4060C00092

Monitoring Well 4060A12054

Well Name MONITOR WELL 1

Classification of Groundwater G-II

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

(CTRL-ALT-7)

SEMLF

W/4534

Sample Date 02-07-00
Well Type () Background
() Site Boundary
(x) Intermediate
() Compliance
Groundwater Elevation
(above MSL) 43.17 ft.

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	23.1	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	122	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0007	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.000179	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.00817	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0009	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	0.000141	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.00115	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0105	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.708	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.000678	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0006	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	<0.0013	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	4.54	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	0.207	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	4.747	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0007	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	2.33	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0005	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	0.639	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	50.1	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	<5.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.00225	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.708	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

Sample Date 02-07-00
Well Type () Background
() Site Boundary
(x) Intermediate
() Compliance
Groundwater Elevation
(above MSL) 43.17 ft.

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

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
900219	FOAMING AGENTS	GRAB	EPA 425.1	<0.159	mg/l	UNFILTERED	NONE
	IRON	GRAB	EPA 236.1	0.0806	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	<0.0123	mg/l	UNFILTERED	NONE
000400	ODOR	GRAB	EPA 140.1	<3.18	TON	UNFILTERED	NONE
	Ph	GRAB	EPA 150.1	5.97	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.000461	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	<3.18	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	106	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	7.5	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.00811	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	1.07	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	3.5	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	0.6	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	<0.954	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

Sample Date 02-07-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 40.54 ft.

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

4535

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	23.6	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	411	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0007	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.000142	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.0224	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0009	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	0.000161	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.00297	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0105	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.680	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00130	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0006	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	0.00139	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	6.84	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.0111	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	6.84	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0007	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	8.40	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0005	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	1.09	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	65.6	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	<5.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.00320	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.680	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

Sample Date 02-07-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 40.54 ft.

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

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.506	mg/l	UNFILTERED	NONE
	MANGANESE	GRAB	EPA 200.7	0.0261	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.176	mg/l	UNFILTERED	HNO ₃
	ODOR	GRAB	EPA 140.1	<3.18	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.53	ST. UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.00128	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	16.0	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	140	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	1.7	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.00583	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	0.0480	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	1.9	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	0.4	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	1.0	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

Sample Date 02-07-00
Well Type () Background
(x) Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 43.36 ft.

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

w 4537

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	23.6	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	923	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0007	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.000385	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.0116	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0009	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	0.000416	µg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.00302	µg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0105	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	1.03	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.000744	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0006	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	0.00303	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	15.3	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	0.111	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	15.411	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	0.00164	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	29.6	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	0.000552	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	0.419	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	21.8	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	70.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.00517	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	1.08	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

Sample Date 02-07-00
Well Type () Background
(x) Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 43.36 ft.

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

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.506	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.0650	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	<0.0123	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<3.18	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.79	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.00148	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	<3.18	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	506	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	64.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.00806	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	0.00762	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	16.0	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	1.6	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	2.8	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

Sample Date 02-07-00
Well Type () Background
() Site Boundary
() Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 44.04 ft.

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

4557

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	22.6	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	319	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0007	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.000518	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.0572	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0009	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	0.000922	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.0226	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0105	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.861	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00600	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0006	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	0.00711	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	6.25	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.0111	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	6.25	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0007	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	3.17	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	0.0000788	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	6.53	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	14.7	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	60.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.00543	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.861	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

Sample Date 02-07-00
Well Type () Background
() Site Boundary
() Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 44.04 ft.

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

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.506	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.812	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	0.0152	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<3.18	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.80	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.00149	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	11.3	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	210	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	78.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.0119	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	0.338	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	25.0	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	2.2	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	<0.954	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

Sample Date 02-07-00
Well Type () Background
() Site Boundary
() Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 43.56 ft.

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

w 4564

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	19.8	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	342	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0007	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.000265	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.01128	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0009	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	0.000393	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.00430	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0105	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.620	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00106	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0006	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	0.00153	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	5.89	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.0111	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	5.89	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0007	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	3.18	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0005	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	0.711	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	17.6	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	<5.00	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.00288	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.620	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

Sample Date 02-07-00
Well Type () Background
() Site Boundary
() Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 43.56 ft.

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

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.506	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.166	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	<0.0123	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<3.18	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.80	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.000541	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	6.58	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	228	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	1.6	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.00656	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	0.198	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	37.0	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	0.7	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	2.5	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

Sample Date 02-07-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 43.10 ft.

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

W 4592

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	23.0	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	584	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0007	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.000121	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.00456	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0009	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	0.000160	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.00184	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0105	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.720	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	<0.0003	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0006	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	0.00199	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	2.05	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.0111	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	2.05	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0007	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	4.79	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	0.0000361	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	0.0243	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	19.0	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	<5.00	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.00192	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.720	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

Sample Date 02-07-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 43.10 ft.

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

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.506	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.0374	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	<0.0123	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<3.18	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	5.50	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.000811	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	5.93	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	266	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	5.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.00332	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	0.484	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	1.4	pCi/l	UNFILTERED	HNO ₃
	RADIUM 266	GRAB	EPA 903.1	0.7	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	2.4	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

Sample Date 02-07-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 43.62 ft.

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

W 4593

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	23.9	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	970	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0007	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.00112	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.0269	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0009	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	0.000667	µg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.00404	µg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0105	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.861	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.005326	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0006	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	0.00711	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	<0.0286	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.0111	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	<0.0397	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	0.00152	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	8.42	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0009	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	1.12	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	22.5	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	20.00	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.0168	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.861	mg/l	UNFILTERED	NONE

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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

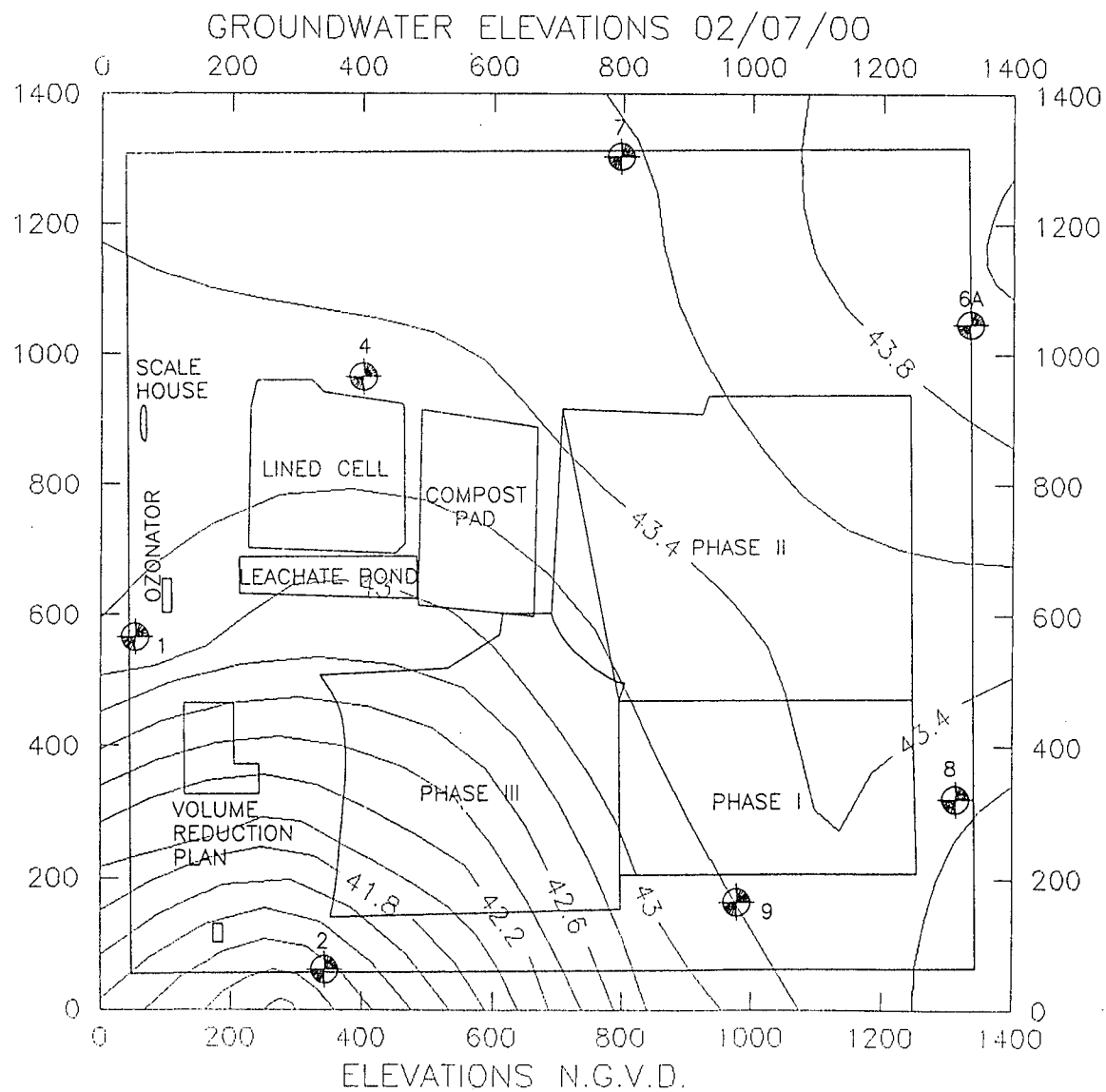
Sample Date 02-07-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 43.62 ft.

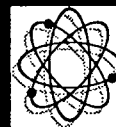
Well Developed* Prior to
Sample Collection (Yes/No) YES

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.506	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.681	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 903.1	0.02870	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<3.18	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	5.92	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.00124	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	5.13	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	524	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	21.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.0428	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	0.302	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	10.2	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	4.4	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	1.8	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.

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY





**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Sumter County Public Works
c/o Central Testing Labs
727 S. 14th Street
Leesburg, FL 32748

Date Reported : Mar28 2000
Project Number : 0084001.300
PO Number : SCPW
FDHRS Number : 83139
FDER Number : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: SEC93 IN093 TB NH4 GA Ra226/228

Date Sampled:Feb 3 2000 Date Received:Feb 4 2000 Lab Numbers: 13292-13298

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%ACC	%PRC	13292 MW1	13293 MW2	13294 MW4	13295 MW6A	13296 MW7
Arsenic	mg/L	.00006	104.	7.69	.00018	.00014	.00038	.00052	.00026
Barium	mg/L	.00064	101.	7.83	.00817	0.0224	0.0116	0.0572	0.0112
Cadmium	mg/L	.00006	99.9	9.31	.00014	.00016	.00042	.00092	.00039
Chromium	mg/L	.00016	99.9	7.97	.00115	.00297	.00302	0.0226	.00430
Cyanide	mg/L	0.0105	109.	1.30	<.0105	<.0105	<.0105	<.0105	<.0105
Fluoride	mg/L	0.110	101.	.410	0.708	0.680	1.03	0.861	0.620
Lead	mg/L	.00032	112.	10.9	.00068	.00130	.00074	.00600	.00106
Mercury	mg/L	.00064	105.	.000	<.0006	<.0006	<.0006	<.0006	<.0006
Nickel	mg/L	.00127	92.9	8.35	<.0013	.00139	.00303	.00711	.00153
Nitrate(as N)	mg/L	0.0286	63.5	8.34	4.54	6.84	15.3	6.25	5.89
Nitrite(as N)	mg/L	0.0111	93.8	2.34	0.207	<.0111	0.111	<.0111	<.0111
Selenium	mg/L	.00070	95.0	3.54	<.0007	<.0007	.00164	<.0007	<.0007
Sodium	mg/L	0.347	104.	.710	2.33	8.40	29.6	3.17	3.18
Antimony	mg/L	.00070	109.	8.50	<.0007	<.0007	<.0007	<.0007	<.0007
Beryllium	mg/L	.00089	93.3	3.75	<.0009	<.0009	<.0009	<.0009	<.0009
Thallium	mg/L	.00003	102.	10.9	<3e-05	<3e-05	.00055	.00008	<3e-05
Asbestos	MF/L	1.00			-	-	-	-	-
Turbidity	NTU	0.159	102.	.000	7.50	1.70	64.0	78.0	1.60
Ammonia(as N)	mg/L	0.0318	91.5	.000	1.07	0.0480	0.0762	0.338	0.198
Gross alpha	pCi/L	0.318			3.50	1.90	16.0	25.0	37.0
Analysis Error	pCi/L	0.100			0.400	0.500	2.10	3.00	1.00
Radium 226	pCi/L	0.318			0.600	0.400	1.60	2.20	0.700
Analysis_Error(226)	pCi/L	0.100			0.100	0.100	0.200	0.300	0.100
Radium 228	pCi/L	0.954			<0.954	1.00	2.80	<0.954	2.50
Analysis_Error(228)	pCi/L	0.300			0.700	0.800	0.900	0.700	0.900
Gross_Beta	pCi/L	0.318			-	-	-	-	-

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
Methods of analysis in accordance with FCL QA and EPA approved methodology
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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Jefferson L. Flowers, Ph.D
Jefferson S. Flowers, Ph.D
481 NEWBURYPORT Av.
ALTAMONTE SPRINGS
FLORIDA 32715 - 0597
BUS: (407) 339-5984
FAX: (407) 260-6110



**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Sumter County Public Works
c/o Central Testing Labs
727 S. 14th Street
Leesburg, FL 32748

Date Reported : Mar28 2000
Project Number : 0084001.300
PO Number : SCPW
FDHRS Number : 83139
FDER Number : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: SEC93 INO93 TB NH4 GA Ra226/228

Date Sampled: Feb 3 2000 Date Received: Feb 4 2000 Lab Numbers: 13292-13298

REPORT OF ANALYSIS

Parameter	Unit	Reportable	%ACC	%PRC	13297 MW8	13298 MW9
		Detection				
		Limit				
Arsenic	mg/L	.00006	104.	7.69	.00012	.00112
Barium	mg/L	.00064	101.	7.83	.00456	0.0269
Cadmium	mg/L	.00006	99.9	9.31	.00016	.00067
Chromium	mg/L	.00016	99.9	7.97	.00184	.00404
Cyanide	mg/L	0.0105	109.	1.30	<.0105	<.0105
Fluoride	mg/L	0.110	101.	.410	0.720	0.861
Lead	mg/L	.00032	112.	10.9	<.0003	.00532
Mercury	mg/L	.00064	105.	.000	<.0006	<.0006
Nickel	mg/L	.00127	92.9	8.35	.00199	.00711
Nitrate(as N)	mg/L	0.0286	63.5	8.34	2.05	<.0286
Nitrite(as N)	mg/L	0.0111	93.8	2.34	<.0111	<.0111
Selenium	mg/L	.00070	95.0	3.54	<.0007	.00152
Sodium	mg/L	0.347	104.	.710	4.79	8.42
Antimony	mg/L	.00070	109.	8.50	<.0007	<.0007
Beryllium	mg/L	.00089	93.3	3.75	<.0009	<.0009
Thallium	mg/L	.00003	102.	10.9	.00004	.00012
Asbestos	MF/L	1.00			-	-
Turbidity	NTU	0.159	102.	.000	5.00	21.0
Ammonia(as N)	mg/L	0.0318	91.5	.000	0.484	0.302
Gross alpha	pCi/L	0.318			1.40	10.2
Analysis Error	pCi/L	0.100			0.800	2.20
Radium 226	pCi/L	0.318			0.700	4.40
Analysis_Error(226)	pCi/L	0.100			0.200	0.400
Radium 228	pCi/L	0.954			2.40	1.80
Analysis_Error(228)	pCi/L	0.300			0.900	0.800
Gross_Beta	pCi/L	0.318			-	-

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
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Jefferson S. Flowers, Ph.D.
President/Technical Director

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481 NEWBURYPORT AV.
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FLORIDA 32715-0597
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**CHEMICAL
LABORATORIES
INCORPORATED**

Received From:
Sumter County Public Works
c/o Central Testing Labs
727 S. 14th Street
Leesburg, FL 32748

Date Reported : Mar28 2000
Project Number : 0084001.300
PO Number : SCPW
FDHRS Number : 83139
FDER Number : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: SEC93 IN093 TB NH4 GA Ra226/228

Date Sampled: Feb 3 2000 Date Received: Feb 4 2000 Lab Numbers: 13292-13298
REPORT OF ANALYSIS

Parameter	Unit	Reportable	%ACC	%PRC	13292 MW1	13293 MW2	13294 MW4	13295 MW6A	13296 MW7
		Detection Limit							
Analysis_Error(Gb)	pCi/L	0.100			-	-	-	-	-
Aluminum	mg/L	.00181	97.4	6.13	0.639	1.09	0.419	6.53	0.711
Chloride	mg/L	0.149	70.6	1.96	50.1	65.6	21.8	14.7	17.6
Copper	mg/L	.00016	93.7	9.00	.00225	.00320	.00517	.00543	.00288
Fluoride	mg/L	0.110			-	-	-	-	-
Iron	mg/L	0.0340	100.	6.74	0.0806	0.176	0.0650	0.812	0.166
Manganese	mg/L	0.0123	96.8	7.38	<.0123	0.0261	<.0123	0.0152	<.0123
Silver	mg/L	.00016	114.	.070	.00046	.00123	.00148	.00149	.00054
Sulfate	mg/L	3.18	108.	7.97	<3.18	16.0	<3.18	11.3	6.58
Zinc	mg/L	.00048	86.7	6.12	.00811	.00583	.00806	0.0119	.00656
Color (color units)	PCU	5.00			<5.00	<5.00	70.0	60.0	<5.00
Odor (total odor num	TON	3.18			<3.18	<3.18	<3.18	<3.18	<3.18
pH	pH	0.0100	101.	2.65	7.39	6.84	7.32	7.71	7.88
TDS	mg/L	2.50	97.5	9.08	106.	140.	506.	210.	228.
Foaming_Agents	mg/L	0.506	79.5	.020	<0.506	<0.506	<0.506	<0.506	<0.506
Field DO	mg/L	0.100			5.90	2.20	6.00	8.02	5.70
Field Temp. (C)	oC	1.00			23.1	23.6	23.6	22.6	19.8
Field Conductivity	umhos/c	0.0100			22.0	-	23.0	-	-
Field pH (units)	pH	0.0100			6.76	6.53	6.79	6.80	7.00
Depth	ft	0.0100			27.0	33.5	27.0	33.5	29.6

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec. 4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.

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



CHEMICAL
LABORATORIES
INCORPORATED

Received From:
Sumter County Public Works
c/o Central Testing Labs
727 S. 14th Street
Leesburg, FL 32748

Date Reported : Mar28 2000
Project Number : 0084001.300
PO Number : SCPW
FDHRS Number : 83139
FDER Number : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: SEC93 IN093 TB NH4 GA Ra226/228

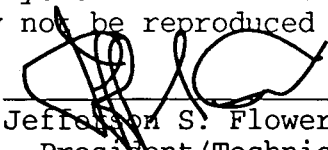
Date Sampled: Feb 3 2000 Date Received: Feb 4 2000 Lab Numbers: 13292-13298

REPORT OF ANALYSIS

Parameter	Unit	Reportable	%ACC	%PRC	13297 MW8	13298 MW9
		Detection				
		Limit				
Analysis_Error(Gb)	pCi/L	0.100			-	-
Aluminum	mg/L	.00181	97.4	6.13	0.0243	1.12
Chloride	mg/L	0.149	70.6	1.96	19.0	22.5
Copper	mg/L	.00016	93.7	9.00	.00192	0.0168
Fluoride	mg/L	0.110			-	-
Iron	mg/L	0.0340	100.	6.74	0.0374	0.681
Manganese	mg/L	0.0123	96.8	7.38	<.0123	0.0287
Silver	mg/L	.00016	114.	.070	.00081	.00124
Sulfate	mg/L	3.18	108.	7.97	5.93	5.13
Zinc	mg/L	.00048	86.7	6.12	.00332	0.0428
Color (color units)	PCU	5.00			<5.00	20.0
Odor (total odor num	TON	3.18			<3.18	<3.18
pH	pH	0.0100	101.	2.65	7.30	6.93
TDS	mg/L	2.50	97.5	9.08	266.	524.
Foaming_Agents	mg/L	0.506	79.5	.020	<0.506	<0.506
Field DO	mg/L	0.100			8.00	6.20
Field Temp. (C)	oC	1.00			23.0	23.9
Field Conductivity	umhos/c	0.0100			-	-
Field pH (units)	pH	0.0100			5.50	5.92
Depth	ft	0.0100			26.2	28.3

Data Release Authorization

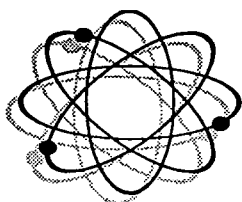
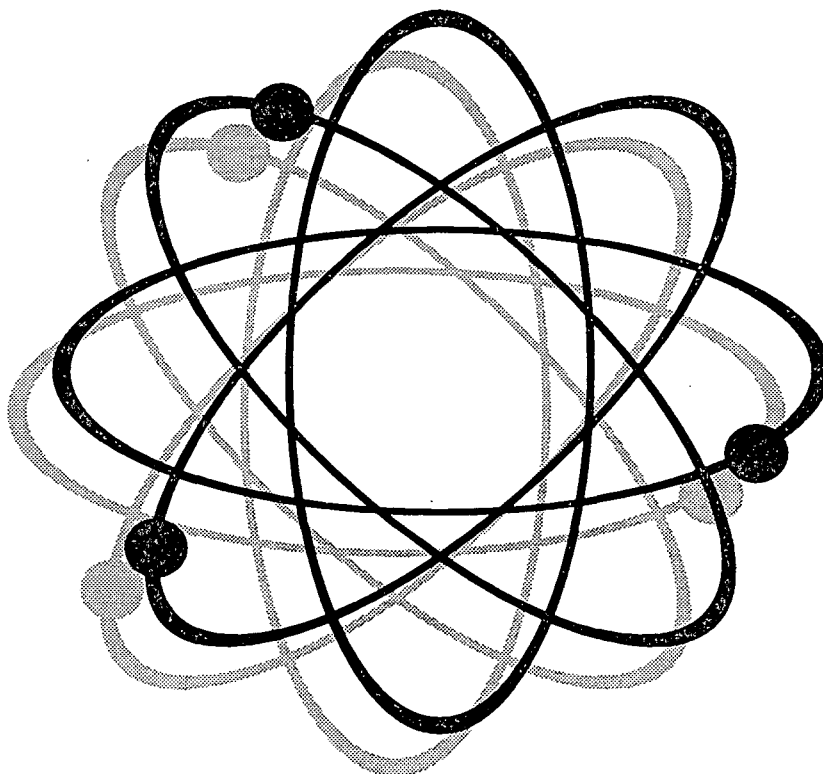
Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
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Jefferson S. Flowers, Ph.d.
President/Technical Director

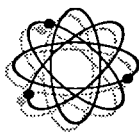
Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: 0084001.300
Lab Numbers: 13292 - 13298

Report date: 28-Mar-00



**FLOWERS
CHEMICAL
LABORATORIES**



FLOWERS CHEMICAL LABORATORIES, INC.

QA SDG Narrative Summary

Client:	Cent. Testing Lab
Project Number:	0084001.300
P.O. Number:	SCPW
Date Sampled:	3-Feb-00
Lab Numbers:	13292 - 13298

Sample Handling

Sample handling and holding time criteria were met for all samples.
Samples Collected by Submitter. No unusual events occurred during analysis.

Surrogate Compound Recoveries:

The requested analytes did not require surrogates.

Accuracy / Precision:

The recovery limits were met for all compounds in the matrix spike as shown in section 2.
The recovery limits were met for all compounds in the matrix spike duplicate as shown in section 2.
The RSD was met for all compounds as shown in section 2.

Method Blanks:

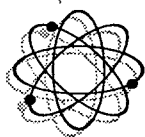
No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

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 15 standard blanks.
The t-test limits were met for all surrogate spike standards as shown in section 5.



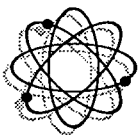
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Cent. Testing Lab
Project Number: 0084001.300
P.O. Number: SCPW
Date Sampled: 3-Feb-00
Lab Numbers: 13292 - 13298

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	16-2000 1	0.2222	0.001	0.233	104%	0.214	95.6%	0.181 - 0.277	0.014	0 - 0.029
Barium	mg/L	EPA6020	16-2000 1	0.2222	0.023	0.249	101%	0.228	92.0%	0.190 - 0.310	0.015	0 - 0.032
Cadmium	mg/L	EPA6020	16-2000 1	0.2222	0.000	0.222	99.9%	0.200	89.9%	0.179 - 0.269	0.016	0 - 0.027
Chromium	mg/L	EPA6020	16-2000 1	0.2222	0.003	0.226	99.9%	0.206	91.2%	0.170 - 0.282	0.014	0 - 0.033
Cyanide	mg/L	SM4500-C	02-04-00	0.1	0.002	0.112	110%	0.114	112%	0.023 - 0.217	0.001	0 - 0.058
Fluoride	mg/L	SM4500F	21-2000 08	0.5	1.20	1.70	100%	1.71	102%	1.58 - 1.94	0.006	0 - 0.198
Lead	mg/L	EPA6020	6-2000 1	0.2222	0.004	0.253	112%	0.224	99.2%	0.181 - 0.282	0.021	0 - 0.027
Mercury	mg/L	EPA7470	02-11-00	0.002	<0.0002	0.002	105%	0.002	105%	0.002 - 0.003	0.000	0 - 0.000
Nickel	mg/L	EPA6020	6-2000 1	0.2222	0.003	0.209	92.9%	0.191	84.4%	0.155 - 0.282	0.013	0 - 0.034
Nitrite(as N)	mg/L	EPA353.2	02-04-00	0.2	0.026	0.214	93.8%	0.208	91.0%	0.090 - 0.329	0.004	0 - 0.056
Selenium	mg/L	EPA6020	6-2000 1	0.2222	0.001	0.212	95.0%	0.204	91.3%	0.172 - 0.278	0.006	0 - 0.030
Sodium	mg/L	EPA6010	02-09-00	5.5555	62.7	68.4	104%	69.0	114%	44.5 - 94.6	0.393	0 - 1.17
Antimony	mg/L	EPA6020	6-2000 1	0.2222	0.0002	0.242	109%	0.220	99.0%	0.169 - 0.288	0.016	0 - 0.037
Beryllium	mg/L	EPA6020	16-2000 1	0.4444	0.0002	0.415	93.4%	0.398	89.5%	0.302 - 0.649	0.012	0 - 0.087
Thallium	mg/L	EPA6020	6-2000 1	0.2222	0.000	0.227	102%	0.257	116%	0.171 - 0.289	0.021	0 - 0.036
Ammonium(as N)	mg/L	EPA350.1	02-04-00	0.1	<0.01	0.092	91.5%	0.092	91.5%	0.042 - 0.155	0.000	0 - 0.031
Aluminum	mg/L	EPA6020	17-2000 14	0.2222	0.041	0.257	97.4%	0.240	89.7%	0.154 - 0.369	0.012	0 - 0.059
Chloride	mg/L	EPA300	21-2000 15	0.5	1.25	1.57	63.6%	1.61	70.7%	0.771 - 2.40	0.025	0 - 0.135
Copper	mg/L	EPA6020	16-2000 1	0.2222	0.038	0.247	93.8%	0.223	83.0%	0.178 - 0.324	0.017	0 - 0.035
Iron	mg/L	EPA6010	02-09-00	5.5555	0.496	6.06	100%	5.61	92.1%	3.91 - 8.34	0.314	0 - 1.41
Manganese	mg/L	EPA6010	02-09-00	5.5555	0.016	5.40	96.9%	4.97	89.1%	3.99 - 7.22	0.306	0 - 0.991
Silver	mg/L	EPA6020	16-2000 1	0.0555	0.005	0.069	115%	0.069	115%	0.039 - 0.079	0.000	0 - 0.012
Sulfate	mg/L	EPA375.4	02-25-00	20	62.2	83.9	109%	76.7	72.3%	34.1 - 130	5.12	0 - 7.26
Zinc	mg/L	EPA6020	6-2000 1	0.2222	0.073	0.266	86.8%	0.248	78.8%	0.178 - 0.384	0.013	0 - 0.044



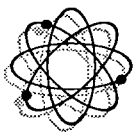
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: 0084001.300
P.O. Number: SCPW
Date Sampled: 3-Feb-00
Lab Numbers: 13292 - 13298

Analyte	Unit	Method	Date	Concentration
Arsenic	mg/L	EPA6020	02-16-2000 11:19	<0.00002
Barium	mg/L	EPA6020	02-16-2000 11:19	<0.0002
Cadmium	mg/L	EPA6020	02-16-2000 11:19	<0.00002
Chromium	mg/L	EPA6020	02-16-2000 11:19	<0.00005
Cyanide	mg/L	SM4500-CN E	02-04-00	<0.0033
Fluoride	mg/L	SM4500F C	02-21-2000 08:35	<0.0347
Lead	mg/L	EPA6020	02-16-2000 11:19	<0.0001
Mercury	mg/L	EPA7470	02-11-00	<0.0002
Nickel	mg/L	EPA6020	02-16-2000 11:19	<0.0004
Nitrite(as N)	mg/L	EPA353.2	02-04-00	<0.0035
Selenium	mg/L	EPA6020	02-16-2000 11:19	<0.00022
Sodium	mg/L	EPA6010	02-09-00	<0.109
Antimony	mg/L	EPA6020	02-16-2000 11:19	<0.00022
Beryllium	mg/L	EPA6020	02-16-2000 11:19	<0.00028
Thallium	mg/L	EPA6020	02-16-2000 11:19	<0.00001
Turbidity	NTU	EPA180.1	02-04-00	<0.05
Ammonium(as N)	mg/L	EPA350.1	02-04-00	<0.01
Aluminum	mg/L	EPA6020	02-17-2000 14:08	<0.00057
Chloride	mg/L	EPA300	02-21-2000 15:30	<0.047
Copper	mg/L	EPA6020	02-16-2000 11:19	<0.00005
Iron	mg/L	EPA6010	02-09-00	<0.0107
Manganese	mg/L	EPA6010	02-09-00	<0.00388
Silver	mg/L	EPA6020	02-16-2000 11:19	<0.00005
Sulfate	mg/L	EPA375.4	02-25-00	<1
Zinc	mg/L	EPA6020	02-16-2000 11:19	<0.00015
pH (units)	pH	EPA150.1	02-04-00	<0.01



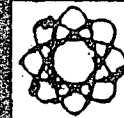
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: 0084001.300
P.O. Number: SCPW
Date Sampled: 3-Feb-00
Lab Numbers: 13292 - 13298

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Arsenic	mg/L	EPA6020	2-16-2000 11:1	0.200	0.203	101%	0.176 - 0.221
Barium	mg/L	EPA6020	2-16-2000 11:1	0.200	0.197	98.3%	0.174 - 0.230
Cadmium	mg/L	EPA6020	2-16-2000 11:1	0.200	0.193	96.7%	0.176 - 0.224
Chromium	mg/L	EPA6020	2-16-2000 11:1	0.200	0.193	96.7%	0.168 - 0.227
Cyanide	mg/L	SM4500-CN	02-04-00	0.050	0.051	101%	0.030 - 0.077
Fluoride	mg/L	SM4500F C	2-21-2000 08:3	0.800	0.861	108%	0.837 - 0.900
Lead	mg/L	EPA6020	2-16-2000 11:1	0.200	0.226	113%	0.171 - 0.237
Mercury	mg/L	EPA7470	02-11-00	0.002	0.002	100%	0.002 - 0.002
Nickel	mg/L	EPA6020	2-16-2000 11:1	0.200	0.181	90.4%	0.164 - 0.230
Nitrite(as N)	mg/L	EPA353.2	02-04-00	0.500	0.493	98.7%	0.436 - 0.545
Selenium	mg/L	EPA6020	2-16-2000 11:1	0.200	0.198	98.9%	0.170 - 0.230
Sodium	mg/L	EPA6010	02-09-00	1.00	0.973	97.3%	0.774 - 1.22
Antimony	mg/L	EPA6020	2-16-2000 11:1	0.200	0.203	101%	0.173 - 0.221
Beryllium	mg/L	EPA6020	2-16-2000 11:1	0.400	0.365	91.3%	0.275 - 0.537
Thallium	mg/L	EPA6020	2-16-2000 11:1	0.200	0.236	118%	0.171 - 0.236
Turbidity	NTU	EPA180.1	02-04-00	4.00	4.10	103%	2.74 - 5.92
Ammonium(as N)	mg/L	EPA350.1	02-04-00	0.500	0.506	101%	0.418 - 0.582
Aluminum	mg/L	EPA6020	2-17-2000 14:0	0.200	0.195	97.6%	0.159 - 0.232
Chloride	mg/L	EPA300	2-21-2000 15:3	1.60	1.61	100%	1.19 - 2.20
Copper	mg/L	EPA6020	2-16-2000 11:1	0.200	0.183	91.5%	0.160 - 0.234
Iron	mg/L	EPA6010	02-09-00	1.00	1.07	107%	0.876 - 1.17
Manganese	mg/L	EPA6010	02-09-00	1.00	0.972	97.2%	0.865 - 1.11
Silver	mg/L	EPA6020	2-16-2000 11:1	0.100	0.100	99.5%	0.086 - 0.115
Sulfate	mg/L	EPA375.4	02-25-00	20.0	20.3	102%	14.4 - 25.9
Zinc	mg/L	EPA6020	2-16-2000 11:1	0.200	0.172	86.1%	0.160 - 0.234
pH (units)	pH	EPA150.1	02-04-00	7.00	7.14	102%	6.75 - 7.36



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 Sumter County Public Works
10 Central Testing Lab
Address 127 S. 14th St
Leesburg FL 34748
Phone 352-787-1268

FCL Client No. _____

FCL Project Manager Stout

FCL Lab Coordinator _____

Requested Due Date: 10 day

P.O. Number _____

Project Name / No. 008 4001.300

Contact _____

Sampled By (PRINT): _____

Sampler Signature _____

Date Sampled _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES				ANALYSES REQUEST					
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl						
1	mw 1		GW	13292	6	4	1	1		24 hr pH < 2 pH > 10					
2	mw 2			93											
3	mw 4			94											
4	mw 6A			95											
5	mw 7			96											
6	mw 8 mw 9			97 13298											
CARRIER		BAILERS		SHIP DATES		RELINQUISHED BY / AFFILIATION				DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME
				OUT / DATE RETURNED / DATE											
SPECIAL INSTRUCTIONS															

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

02/04/2000 08:13

13527282245

CENTRAL TESTING LAB

PAGE 02